

# Final Year Internship Report

on

## Web Developer Intern

Submitted for the partial fulfilment of the degree of

## Bachelor of Technology

In

## Mathematics & Computing

Submitted By

Mayank Mundra

0901MC201037

UNDER THE SUPERVISION AND GUIDANCE OF

Dr Atul Kumar Ray

Assistant Professor

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MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA  
Deemed to be University  
(Declared under Distinct Category by Ministry of Education, Government of India)  
NAAC ACCREDITED WITH A++ GRADE



Jan-May 2024

## DECLARATION BY THE CANDIDATE

I hereby declare that the work being presented in this Internship report, for the partial fulfilment of requirement for the award of the degree of Bachelor of Technology in Engineering Mathematics and Computing at Madhav Institute of Technology & Science, Gwalior, conducted under the supervision of **Dr Atul Kumar Ray, Assistant Professor**, during the session Jan-May 2024. The report submitted by me is a record of bonafide work carried out by me.

I further declare that the work reported in this report has not been submitted and will not be submitted, either in part or in full, for the award of any other degree or diploma in this institute or any other institute or university.



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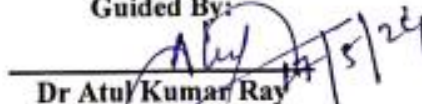
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This is to certify that the above statement made by the candidates is correct to the best of my knowledge and belief.

**Guided By:**



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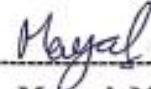
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## PLAGIARISM CHECK CERTIFICATE

This is to certify that I/we, a student of B.Tech. in **Engineering Mathematics and Computing** have checked my complete report, entitled as "Web Developer Intern" for similarity/plagiarism using the "Turnitin" software available in the institute.

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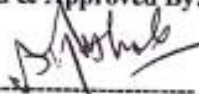
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## EXECUTIVE SUMMARY

This Report summarizes my Internship Program from January 2024 to May 2024 covering approximately 300 hours of ongoing internship. I had magnificently concluded the Training under the Web Development track as an **Intern at Bytesite** as a requirement of Bachelor of Technology (BTech) degree program, Department of Engineering Mathematics and Computing, Madhav Institute of Technology and Science, Gwalior. I got this internship opportunity through LinkedIn post. We were interviewed by the Company Representatives on our Technical as well as Problem Solving Skills. The Opportunity started with a 4 Month Training Internship from Jan 2024 to May 2024. During the Internship I was engaged in an Intensive training program where I learnt Essential Computer Science Fundamentals like Database Management Systems, Object Oriented Programming, and Software Development Lifecycle, Popular Tools and Technologies used at the Organization like Git, JavaScript, etc., and necessary soft skills required to navigate in the corporate world like Email Writing, English Speaking, Effective Communication, etc. The Internship involved Live Lectures, Recorded Video Lectures, Interactive Courses, and Assessments. The Training not only taught us Tech but skills necessary to communicate effectively in the work setting. We were taught the Power Skills which included English Speaking, Grammar, Email Writing, Assertive Communication, Presentation Skills. We were given quizzes and assignments on each session which we needed to complete before the next session. Some required Code Submissions while others required screenshots of the tasks given to us. We needed to have 70% or more completion percentage in all the courses. At the end of the extensive and intensive training program, I also completed one assignment which tested my learnings from the training. The assignments were based on Web Technologies like HTML, CSS, and JavaScript. We were given complete freedom while solving the Assignments. The Assignments were Open Ended with no correct Answer. The Only Aim was to make the Application work according to the given problem statement. This made it very interesting to solve the assignments. It really helped us in practicing the skills we have gained during the training and pushed us to explore and look for solutions to the problems we encountered during the development on our own. This is one of the most important skills of a developer. The Training played a vital role in transforming me into a Corporate ready Software Engineer.

## कार्यकारी सारांश

यह रिपोर्ट जनवरी 2024 से मई 2024 तक मेरे इंटरनशिप कार्यक्रम का सारांश प्रस्तुत करती है, जिसमें लगभग 300 घंटे की चल रही इंटरनशिप शामिल है। मैंने बैचलर ऑफ टेक्नोलॉजी (बीटेक) डिग्री प्रोग्राम, इंजीनियरिंग गणित और कंप्यूटिंग विभाग, माधव इंस्टीट्यूट ऑफ टेक्नोलॉजी एंड साइंस, ग्वालियर की आवश्यकता के रूप में बाइट्सिट में एक इंटर्न के रूप में वेब डेवलपमेंट ट्रैक के तहत प्रशिक्षण का शानदार समापन किया था। मुझे यह इंटरनशिप का अवसर लिंकडइन पोस्ट के माध्यम से मिला। कंपनी के प्रतिनिधियों ने हमारे तकनीकी और समस्या समाधान कौशल के बारे में हमारा साक्षात्कार लिया। अवसर जनवरी 2024 से मई 2024 तक 4 महीने के प्रशिक्षण इंटरनशिप के साथ शुरू हुआ। इंटरनशिप के दौरान मैं एक गहन प्रशिक्षण कार्यक्रम में लगा हुआ था, जहां मैंने डेटाबेस प्रबंधन प्रणाली, ऑब्जेक्ट ओरिएंटेड प्रोग्रामिंग और सॉफ्टवेयर डेवलपमेंट लाइफसाइकल, लोकप्रिय टूल जैसे आवश्यक कंप्यूटर विज्ञान के बुनियादी सिद्धांत सीखे। और संगठन में उपयोग की जाने वाली तकनीकें जैसे गिट, जावास्क्रिप्ट इत्यादि, और कॉर्पोरेट दुनिया में नेविगेट करने के लिए आवश्यक आवश्यक सॉफ्ट कौशल जैसे ईमेल लेखन, अंग्रेजी बोलना, प्रभावी संचार इत्यादि। इंटरनशिप में लाइव व्याख्यान, रिकॉर्ड किए गए वीडियो व्याख्यान, इंटरैक्टिव पाठ्यक्रम शामिल थे। और आकलन। प्रशिक्षण ने हमें न केवल तकनीक बल्कि कार्य सेटिंग में प्रभावी ढंग से संवाद करने के लिए आवश्यक कौशल भी सिखाया। हमें पावर स्किल्स सिखाई गईं जिनमें इंग्लिश स्पीकिंग, ग्रामर, ईमेल राइटिंग, एसटिव कम्युनिकेशन, प्रेजेंटेशन स्किल्स शामिल थे। हमें प्रत्येक सत्र पर एक क्विज़ और असाइनमेंट दिए गए थे जिन्हें हमें अगले सत्र से पहले पूरा करना था। कुछ को कोड सबमिशन की आवश्यकता थी जबकि अन्य को हमें दिए गए कार्यों के स्क्रीनशॉट की आवश्यकता थी। हमें सभी पाठ्यक्रमों में 70% या उससे अधिक पूर्णता प्रतिशत की आवश्यकता थी। इसके बाद ही हमें मूल्यांकन में शामिल होने की अनुमति दी गई।' व्यापक और गहन प्रशिक्षण कार्यक्रम के अंत में, मैंने एक असाइनमेंट भी पूरा किया जिसमें प्रशिक्षण से मेरी सीख का परीक्षण किया गया। असाइनमेंट HTML, CSS और JavaScript जैसी वेब तकनीकों पर आधारित थे। असाइनमेंट हल करते समय हमें पूरी आजादी दी गई। असाइनमेंट बिना किसी सही उत्तर के ओपन एंडेड थे। एकमात्र उद्देश्य एप्लिकेशन को दिए गए समस्या कथन के

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अनुसार कार्य करना था। इससे असाइनमेंट हल करना बहुत दिलचस्प हो गया। इसने वास्तव में हमें प्रशिक्षण के दौरान हासिल किए गए कौशल का अभ्यास करने में मदद की और हमें विकास के दौरान हमारे सामने आने वाली समस्याओं का पता लगाने और उनके समाधान खोजने के लिए प्रेरित किया। यह एक डेवलपर के सबसे महत्वपूर्ण कौशलों में से एक है। प्रशिक्षण ने मुझे कॉर्पोरेट के लिए तैयार सॉफ्टवेयर इंजीनियर में बदलने में महत्वपूर्ण भूमिका निभाई।

## ACKNOWLEDGEMENT

The full semester internship has proved to be pivotal to my career. I am thankful to my institute, **Madhav Institute of Technology and Science** to allow me to continue my disciplinary/interdisciplinary internship as a curriculum requirement, under the provisions of the Flexible Curriculum Scheme, approved by the Academic Council of the institute. I extend my gratitude to the Director of the institute, **Dr. R. K. Pandit** and Dean Academics, **Dr. Manjaree Pandit** for this.

I would sincerely like to thank my department, **Department of Engineering Mathematics and Computing**, for allowing me to explore this Internship. I humbly thank **Dr. Vikas P Shinde**, Professor and Head, Engineering Mathematics and Computing, for his continued support during the course of this engagement, which eased the process and formalities involved.

I am sincerely thankful to my faculty mentors. I am grateful to the guidance of **Dr. Atul Kumar Ray**, Assistant Professor, Engineering Mathematics and Computing for his continued support and guidance throughout the internship. I am also very thankful to the faculty and staff of the department.

  
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**Mayank Mundra**

**0901MC201037**

## CERTIFICATE OF INTERNSHIP



# BYTESITE

**15th May 2024**

### TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Mayank Mundra** has completed the internship program at **BYTESITE** as a **Web Developer Intern**. This internship program was of a duration of four months starting from 25th January 2024-to-15th May 2024.

During his tenure in the company as an intern he ably handled major responsibilities and displayed qualities like leadership, enthusiasm, self discipline and self motivation.

We have found him to be a self starter, duty bound and highly comitted team player. The company wishes him good luck in all fututre endeavors.

  
**CoFounder**  
**BYTESITE**



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# CHAPTER 1: INTRODUCTION

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I got an internship opportunity at Bytesite through LinkedIn post. I attended various trainings and courses on the most popular software development tools and Technologies as well as soft skills necessary for navigating in the corporate world. Persistent Systems works on a wide variety of different tools and technologies and therefore there were separate learning tracks for different roles utilizing different technology stack. Some of the tracks were, Java, Python, Salesforce, Software Testing, .NET, and UI. As an Academic Intern, my job was to complete all the trainings and courses, attend live lectures, solve all the assignments and practice quizzes, and to successfully clear the Assessments.

## 1.1 Company Profile

**Bytesite** specializes in project-based internships, offering students unique opportunities to enhance their careers through hands-on experience in diverse domains. Tailoring internships for practical industry exposure, Bytesite helps students gain proficiency in various technologies.

With a focus on excellence and a commitment to client success, Bytesite offers a comprehensive suite of services tailored to meet the evolving needs of modern enterprises. From software development and system integration to IT infrastructure management and digital transformation initiatives, Bytesite leverages cutting-edge technologies and industry best practices to drive operational efficiency, enhance competitiveness, and fuel business growth.



Figure 1.1: Bytesite Logo

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## CHAPTER 2: LITERATURE SURVEY

The dynamic and ever-evolving field of web development is fuelled by new developments in industry trends, user expectations, and technology. To investigate the most recent trends and best practices influencing the web development scene, we have dug into a number of recent studies, papers, and industry publications for this literature review.

### 2.1 Responsive Web Design and Mobile First Approach

The goal of responsive web design, which aims to provide seamless user experiences across several devices and screen sizes, has become common practice in modern online development. Fluid grids, flexible images, and media queries are essential for developing online layouts that are flexible, as demonstrated by articles like Ethan Marcotte's groundbreaking work on responsive web design [1]. Additionally, the mobile-first approach promotes user-centric design concepts, performance, and accessibility from the outset of the design process, with a focus on mobile devices [2].

### 2.2 Progressive Web Apps (PWAs)

By obfuscating the distinctions between online and native mobile applications, progressive web apps offer an important paradigm change in web development. PWAs use web technologies like web app manifests, service workers, and responsive design to create quick, dependable, and entertaining app-like experiences [3]. Studies conducted by Google [4] and Mozilla [5] investigate the advantages of Progressive Web Apps (PWAs) concerning better user interaction, higher conversion rates, and better offline functionality.

### 2.3 JavaScript Frameworks and Libraries

JavaScript frameworks and libraries are still essential to contemporary web development because they make it simple for programmers to create dynamic, rich web applications. Strong abstractions are provided by frameworks like React.js, Angular, and Vue.js for creating user interface elements, controlling state, and handling intricate data interactions [6]. Developers and companies assessing technology stacks can benefit from research studies comparing the scalability, performance, and developer experience of various JavaScript frameworks [7].

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## **2.4 Web Accessibility and Inclusive Design**

In order to ensure that websites and applications are useable by individuals of all abilities, web accessibility is a crucial factor to take into account while developing websites. A foundation for producing accessible web content is provided by guidelines like the Web Content Accessibility Guidelines (WCAG) [8], which address topics including keyboard navigation, semantic HTML, and support for assistive technologies. Within the web development community, research on accessibility auditing techniques and inclusive design helps to promote inclusive practices and increase awareness [9].

The literature survey highlights the diverse and rapidly evolving nature of web development, encompassing responsive design principles, progressive web apps, JavaScript frameworks, web accessibility, and emerging architectural patterns. By staying abreast of current trends and adopting best practices, web developers can create innovative, user-centric experiences that drive business success and meet the demands of an ever-changing digital landscape.

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## CHAPTER 3: FOUNDATIONAL CONCEPTS

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### 3.1 Object Oriented Programming

The following four elements support object-oriented programming:

1. **Inheritance:** information and behaviours from parent classes are passed down to child classes.
2. **Encapsulation:** the process of enclosing data inside an object and only revealing specific data.
3. **Abstraction:** providing only advanced public ways to access an item
4. **Polymorphism:** several approaches for the same task

### 3.2 GIT

#### 3.2.1 What is the use of Git?

In software development, source code management is its typical application. Git is used to monitor source code changes. The source code management tool makes use of the distributed version control system.

used most often to organize programmers' collaborative source code creation during software development. Its objectives are data integrity, speed, and support for non-linear, distributed operations.

#### 3.2.2 Advantages/ features of Git

1. **Performance:** When it comes to version control systems, Git performs the best. The committing, branching, and merging operations are all tuned to outperform competing systems.
2. **Security:** Git uses the SHA-1 cryptographic technique to manage your security. To prevent corruption of your work, the algorithm securely maintains your versions, files, and directories.
3. **Branching Model:** Git features a different branching approach than the other VCS. The Git branching idea allows you to create several independent local branches. This also enables role-based code frictionless context and disposable experimentation.

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4. **Staging Area:** Git allows contributions to be formatted and altered in an intermediate step known as the "index" or "staging area" before committing the changes.
  5. **Distributed:** In nature, git is dispersed. Distributed refers to the process of mirroring the entire code base or repository onto the developer's computer so that he can work on it exclusively.
  6. **Open Source:** This is a crucial component of any modern software. Because the software is open source, developers from all around the world are encouraged to contribute to it and add features and more plugins to increase its capabilities. Because of this, the Linux kernel is now a piece of software with roughly 15 million lines of code.

### 3.3 Software development Life Cycle (SDLC)

SDLC refers to the structured process used for developing high-quality software systems. It consists of several phases that guide the software development process from requirements gathering to maintenance.

#### 3.3.1 Phases

1. **Requirements Gathering:** To comprehend the goals and expectations of the software system, the project requirements are gathered and recorded during this phase.
2. **System Design:** The process of designing a software system entails drawing out its modules, architecture, and data structures.
3. **Coding and Implementation:** Using the design criteria as a guide, this phase is all about writing the software system's actual code.
4. **Testing:** In the testing phase, the software system is verified and validated to make sure it satisfies the requirements and performs as intended.
5. **Deployment:** At this point, the software system that has been implemented in the production environment is accessible to and used by end users.
6. **Maintenance:** Throughout the software system's lifetime, any problems, flaws, or updates are addressed by monitoring and improving the system.

#### 3.3.2 Importance

A methodical and structured approach to software development is ensured by the SDLC, which results in the delivery of software systems that are dependable, high-

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quality, and maintainable. It assists in lowering expenses, limiting risks, and satisfying customer expectations.

### **3.4 Software Testing**

The process of assessing a software system or any of its components to find flaws, mistakes, or inconsistencies and to make sure it complies with requirements is known as software testing.

#### **3.4.1 Types**

1. Unit Testing
2. Integration Testing
3. System Testing
4. Acceptance Testing

#### **3.4.2 Techniques**

Software testing uses a variety of methods, including automated testing tools, white-box testing, and black-box testing, to methodically confirm and validate the functioning and performance of the software system.

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## CHAPTER 4: FOUNDATIONAL TRAINING

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### 4.1 Hypertext Markup Language (HTML)

Web page creation is typically done using HTML, or Hypertext Markup Language. It uses a collection of tags and components to specify the organization and content of a webpage.

#### 4.1.1 Key Concepts and Elements

HTML comprises concepts like the Document Object Model (DOM), which enables dynamic modification of web page components, tags, attributes, and document structure.

#### 4.1.2 Importance

The foundation for organizing and structuring web content is provided by HTML, which is the core language of web development. It makes it possible to create easily navigable, orderly webpages.

### 4.2 Cascading Style Sheets (CSS)

Cascading Style Sheets, or CSS, is a language for stylesheets that describes how web pages are presented and visually designed.

#### 4.2.1 Styling and Selectors

Styles, including colours, fonts, and layouts, can be applied to HTML components by developers using CSS. Selectors are utilized to focus styling on particular elements.

#### 4.2.2 Importance

A key component of online design is CSS, which enables aesthetically pleasing and uniform presentation across a variety of web pages. It makes a website look better overall and improves the user experience.

### 4.3 JavaScript

JavaScript is a high-level programming language that is primarily used for creating interactive and dynamic web content. It permits developers to add functionality to web pages and allows client-side scripting.

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### 4.3.1 Core Concepts: Variables, Functions, Control Flow, DOM Manipulation

1. **Variables:** JavaScript allows the declaration and manipulation of variables to store and retrieve data during program execution.
2. **Functions:** Functions are reusable sections of code that can be called upon whenever necessary to carry out tasks.
3. **Control Flow:** JavaScript provides control flow structures such as conditionals (if-else statements) and loops (for, while) to control the flow of program execution.
4. **DOM Manipulation:** JavaScript dynamically manipulates and modifies web page elements by interacting with the Document Object Model (DOM).

### 4.3.2 Advanced JavaScript Concepts

JavaScript supports OOP principles such as encapsulation, inheritance, and polymorphism.

1. **Asynchronous Programming:** JavaScript's asynchronous programming allows for non-blocking code execution, enabling independent activities to execute without waiting on one another to finish.
2. **JavaScript Libraries and Frameworks:** JavaScript offers a wide range of libraries and frameworks that provide pre-built functionalities and components for streamlined web development. Angular, jQuery, and React are popular libraries and frameworks.

## 4.4 MERN Stack

The MERN stack is a popular combination of technologies used for building dynamic web applications. It consists of four key components:

### 4.4.1 MongoDB

MongoDB is a NoSQL database that uses flexible documents that resemble JSON to store data. Because of its scalability and versatility, it can handle massive data volumes and adapt to changing schemas.

---

## 4.4.2 Express.js

Building web servers and managing HTTP requests and answers are made easier by it. Express.js provides a feature-rich feature set for middleware integration, routing, and template rendering.

## 4.4.3 React.js

React.js is a Java Script library for building user interfaces. It enables programmers to design reusable, interactive user interface components that update quickly in response to modifications in data. React.js follows a component-based architecture, making it easy to manage complex UIs and build single-page applications (SPAs).

## 4.4.4 Node.js

With the help of the server-side JavaScript runtime environment Node.js, programmers may execute JavaScript code outside of a web browser. It is lightweight and effective for developing scalable web applications because it has an event-driven architecture and non-blocking I/O operations. Server-side logic, managing API calls, and database integration are prominent uses for Node.js.

## 4.4.5 Importance

The MERN stack offers several advantages for web development:

1. **Full-Stack JavaScript:** With MERN, developers can use JavaScript for both frontend and backend development, promoting code reusability and simplifying the development process.
2. **Single Language, Single Paradigm:** Using JavaScript throughout the entire development stack reduces context switching and improves developer productivity.
3. **Scalability and Performance:** Each component of the MERN stack is designed for scalability and high performance, making it suitable for building robust and efficient web applications.
4. **Rich Ecosystem:** Because of the rich ecosystem of tools, libraries, and community support surrounding the MERN stack, developers may expedite development schedules and make better use of pre-existing resources.
5. **Real-Time Data Updates:** The MERN stack is well-suited for building real-time applications that require frequent updates and interactions with data.

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## CHAPTER 5: KNOWLEDGE CHECK & PRACTICAL APPLICATION

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### 5.1 KNOWLEDGE CHECK

Throughout my internship, I actively engaged in various assessment quizzes designed to enhance my understanding and proficiency in a wide array of technologies essential for modern web development, as well as subjects such as HTML, CSS, JavaScript, and the MERN (MongoDB, Express.js, React.js, Node.js) stack, alongside fundamental concepts crucial for a career in technology. Additionally, quizzes addressed Object-Oriented Programming (OOPs) principles, Software Development Life Cycle (SDLC) methodologies, software testing practices, and effective communication skills. By taking part in these tests, I was able to demonstrate my knowledge while also gaining important insight into my areas of strength and growth. In addition, these tests provided hands-on practice for theoretical ideas, which enhanced my comprehension of these core technologies and their practical uses in everyday situations.

### 5.2 PRACTICAL APPLICATION

#### 5.2.1 Problem Statement

As an intern tasked with developing a website for a tour and travel agency, the goal is to create a digital platform that effectively showcases the agency's offerings while providing a seamless and user-friendly experience for customers. The following requirements have been identified for the website:

1. **Navigation Bar:** The website must include a navigation bar featuring essential links for easy access to different sections, including:
  - Home
  - Adventures
  - Packages
  - Contact
2. **Search Functionality:** Implement a search function that allows users to quickly find specific adventures or packages based on their preferences, such as destination, duration, or type of activity.
3. **Adventure Descriptions:** Provide brief yet captivating descriptions of the adventures offered by the agency. These descriptions should highlight key features, attractions, and activities to entice users to explore further.

4. **Package Details:** Display detailed information about the tour packages available, including destination highlights, itinerary, inclusions, exclusions, pricing, and booking options.
5. **Enquiry Form:** Incorporate an enquiry form that allows users to submit their contact details and specific inquiries regarding tours, packages, or custom itineraries. The form should be user-friendly and include fields for name, email, phone number, subject, and message.
6. **Responsive Design:** Make that the website is optimized and responsive for a range of devices, such as tablets, smartphones, laptops, and desktop computers. This will improve accessibility and offer a smooth surfing experience on various screen sizes.
7. **Visual Appeal:** Utilize high-quality images and engaging multimedia content to visually showcase destinations, activities, and experiences offered by the agency. The website design should reflect the adventurous spirit of the brand and captivate visitors from the moment they land on the homepage.
8. **Contact Information:** Provide your contact details, including your phone number, email address, and physical address, in a prominent manner on the website. This makes it easy for users to get in touch with the agency for inquiries or bookings.

### 5.2.2 Code & Result

The website features a clean and navigable homepage with a menu that includes links to the following sections: Home, Adventure, Packages, and Contact. The "Home" page, shown in Figure 5.4, provides a welcoming introduction to the site and its offerings. The "Adventure" section, shown in Figure 5.5, showcases various adventurous activities and destinations available, enticing visitors with vibrant descriptions and images. The "Packages" page, shown in Figure 5.6, details different travel packages, including pricing and special offers, making it easy for potential customers to choose the best deal for their needs. Lastly, the "Contact" page, shown in Figure 5.7, offers various methods for users to get in touch, such as a contact form, email address, and phone number, ensuring seamless communication.

```
Click to add a breakpoint
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Tour & Travel</title>
7   <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.1.1/css/all.min.css">
8   <link rel="stylesheet" href="css/style.css">
9   <!-- Iconscout Link -->
10  <link rel="stylesheet" href="https://unicons.iconscout.com/release/v2.1.6/css/unicons.css">
11
12 </head>
13 <body>
14   <header class="header">
15     <a href="#" class="logo"><i class="fas fa-hiking"></i> travel.com</a>
16     <nav class="navbar">
17       <div id="nav-close" class="fas fa-times"></div>
18       <a href="#home">home</a>
19       <a href="#category">Adventures</a>
20       <a href="#packages">packages</a>
21       <a href="#contact">contact</a>
22     </nav>
23     <div class="icons">
24       <div id="menu-btn" class="fas fa-bars"></div>
25       <div id="search-btn" class="fas fa-search"></div>
26     </div>
27   </header>
28
29   <div class="search-form">
30     <div id="close-search" class="fas fa-times"></div>
31     <form action="">
32       <input type="search" name="" placeholder="search here..." id="search-box">
33       <label for="search-box" class="fas fa-search"></label>
34     </form>
35   </div>
36
37   <section class="home" id="home">
38
39     <div class="wrapper">
```

Figure 5.1 Code screenshot of HTML file.

```
1 @import url("https://fonts.googleapis.com/css2?family=Poppins:ital,wght@0,100;0,300;0,400;0,500;0,600;1,100;1,300&display=swap");
2
3 *
4 {
5   font-family: "Poppins", sans-serif;
6   margin: 0;
7   padding: 0;
8   box-sizing: border-box;
9   outline: none;
10  border: none;
11  text-decoration: none;
12  text-transform: capitalize;
13  transition: 0.2s linear;
14 }
15 html {
16   font-size: 62.5%;
17   overflow-x: hidden;
18   scroll-behavior: smooth;
19   scroll-padding-top: 5rem;
20 }
21 section {
22   padding: 5rem 9%;
23 }
24 .btn {
25   margin-top: 1rem;
26   display: inline-block;
27   border: 0.2rem solid black;
28   color: black;
29   cursor: pointer;
30   background: none;
31   font-size: 1.7rem;
32   padding: 1rem 3rem;
33   border-radius: 40px;
34 }
35 .btn:hover {
36   background: black;
37   color: white;
38 }
```

Figure 5.2 Code screenshot of CSS file.

```
js > JS script.js > ...
1 | let navbar = document.querySelector(selectors: '.header .navbar');
2 | document.querySelector(selectors: '#menu-btn').onclick = () =>{
3 |     navbar.classList.add(...tokens: 'active');
4 | }
5 | document.querySelector(selectors: '#nav-close').onclick = () =>{
6 |     navbar.classList.remove(...tokens: 'active');
7 | }
8 |
9 | let searchForm = document.querySelector(selectors: '.search-form');
10 |
11 | document.querySelector(selectors: '#search-btn').onclick = () =>{
12 |     searchForm.classList.add(...tokens: 'active');
13 | }
14 |
15 | document.querySelector(selectors: '#close-search').onclick = () =>{
16 |     searchForm.classList.remove(...tokens: 'active');
17 | }
18 | window.onscroll=()=>{
19 |     navbar.classList.remove(...tokens: 'active');
20 |     if(window.scrolly>0){
21 |         document.querySelector(selectors: '.header').classList.add(...tokens: 'active');
22 |     }else{
23 |         document.querySelector(selectors: '.header').classList.remove(...tokens: 'active');
24 |     }
25 | };
26 | window.onload=()=>{
27 |     if(window.scrolly>0){
28 |         document.querySelector(selectors: '.header').classList.add(...tokens: 'active');
29 |     }else{
30 |         document.querySelector(selectors: '.header').classList.remove(...tokens: 'active');
31 |     }
32 | };
33 |
34 |
```

Figure 5.3 Code screenshot of JavaScript file.

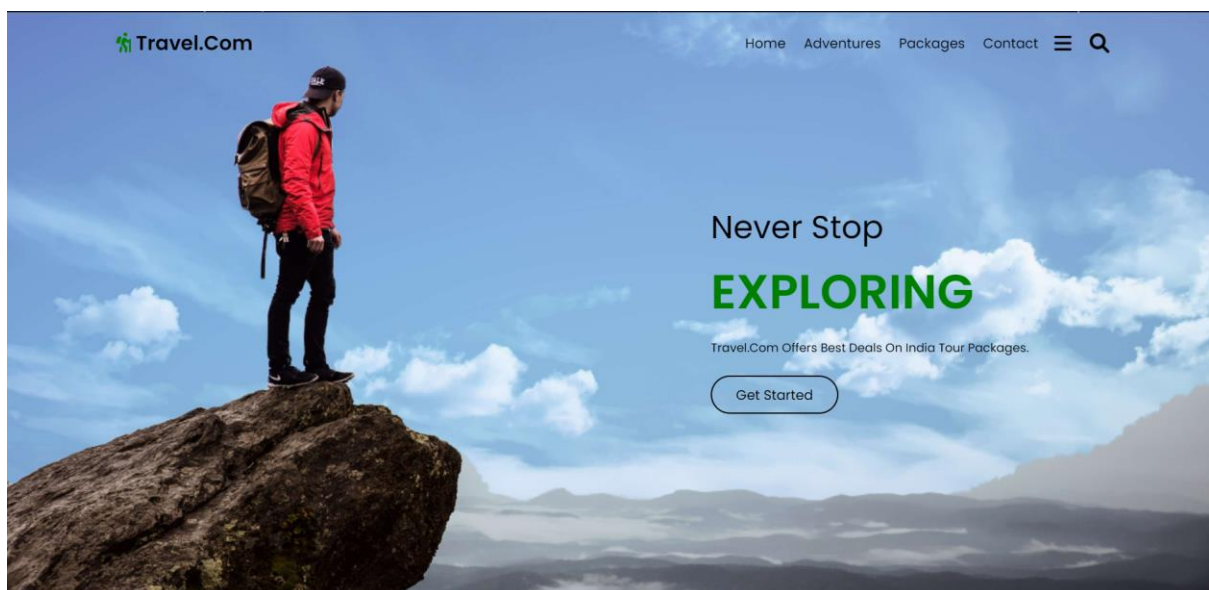


Figure 5.4 Result for the Home Page.

### Adventure Idea!



#### Bungee Jump

Bungee Jumping Is An Activity That Involves A Person Jumping From A Great Height While Connected To A Large Elastic Cord.

[Read More](#)



#### Zip Lines

A Zip-Line, Zip Line, Zip-Wire, Or Flying Fox Is A Pulley Suspended On A Cable, Usually Made Of Stainless Steel, Mounted On A Slope.

[Read More](#)



#### Canoeing

Canoeing Is An Activity Which Involves Paddling A Canoe With A Single-Bladed Paddle.

[Read More](#)

Figure 5.5 Result for the Adventure Page.

### Popular Packages



#### Manali Package

Kullu Manali Shimla Has Always Been A Very Popular Destination For The Old, Young Travelers As Well As Newly Married Couples Who Look For Cheapest Manali Tour Packages & Manali Honeymoon Packages To Experience The Perfect Solitude And Calmness At Its Best.

Rs 5,999 - Rs 8,999

[Explore Now](#)



#### Goa Package

The Most Popular Beach Of Goa, Baga Is Located Close To Calangute Beach, Around 30 Km North Of Panaji. Baga Is Popular For Its Nightlife With Some Very Famous Clubs Such As Brittos, Titos And Mambos. There Is Also A Range Of Water Sports That You Can Try Your Hands At.

Rs 7,999 - Rs 12,999

[Explore Now](#)



#### Delhi Package

Boasting Cultural Diversity And Rich Heritage, Delhi Is Home To Several Temples, Tombs, Gardens, Forts, Museums, Markets And More. We Take You To Some Of The Best Spots In The City. Pick The Best Packages From Here And Enjoy The Tour Of Delhi With Guide.

Rs 2,999 - Rs 8,999

[Explore Now](#)



#### Jaipur Package

We Organise Jaipur & Rajasthan Tours That Offer Incredible Attractions Like Forts And Palaces, Deserts, Traditional Villages, Colorful Cattle Fairs, Sacred Places, Camel Safaris, Beautiful Lakes, Hill Stations And The People.

Rs 11,999 - Rs 15,999

We Organise Jaipur & Rajasthan Tours That Offer Incredible Attractions Like Forts And Palaces, Deserts, Traditional Villages, Colorful Cattle Fairs, Sacred

Figure 5.6 Result for the Packages Page.

### Contact Us

Name  Message

Email Address

Phone

Subject

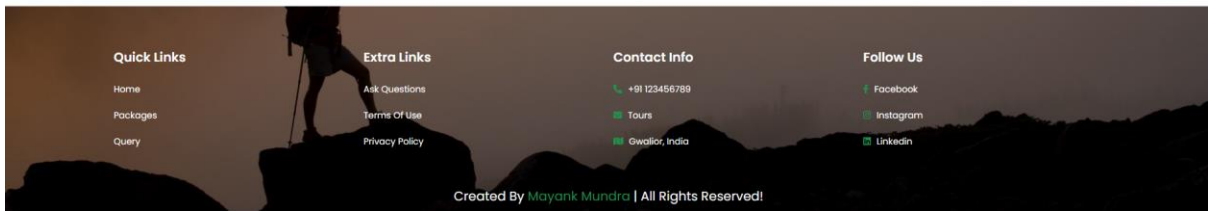


Figure 5.7 Result for the Contact Page and Footer.

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## CHAPTER 6: CONCLUSION

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For me, working as an intern at Bytesite has been fulfilling and enriching. I have been exposed to a wide range of technical and practical skills during the last four months that are crucial for a career in software development.

Gaining an in-depth understanding of software development approaches, particularly the Agile methodology, was one of the internship's most important lessons. This information is essential for producing high-quality software that fulfills end users' expectations.

The practical exposure to MERN technologies, which are essential to software development, and programming languages like HTML, CSS, and JavaScript was another important learning outcome from the internship. Additionally, I gained knowledge of how to operate software tools that are necessary for organizing code, working with other developers on projects, and managing teams, such as GitHub, Git, and SQL databases.

My exposure to web development tools throughout the internship also enabled me to create user-friendly web applications. I also gained knowledge about the significance of software testing, which is necessary to guarantee that the program is user-friendly and of the highest caliber.

Furthermore, I was able to enhance my communication and cooperation skills—two things that are essential in a professional job environment—by cooperating with other interns on a variety of projects and working as a team. My future professional growth and development will benefit greatly from the experience I obtained during my internship.

All things considered, my internship at Bytesite has been a life-changing experience, and I am appreciative of the chance to improve as a software developer. My internship has given me the information and abilities I need to confidently pursue a career in software development. I'm excited to use the abilities and information I learned during the internship to further my career as a software developer and to contribute to projects in the future.

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## REFERENCES

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# TURNITIN PLAGIARISM REPORT

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Summary

# APPENDICES

## Annexure 1: Batch Allotment Mail

Welcome to BYTESITE! Inbox x Print Share

**Bytesite** <team.bytesite@gmail.com> Tue, Jan 9, 9:28 PM Star Smiley Reply More  
to me ▾



Hello Mayank,

I hope this email finds you well. On behalf of the entire Bytesite's team, I am delighted to welcome you aboard as our new Web developer Intern. We are thrilled to have you join our company and look forward to the valuable contributions we know you will bring to the team.

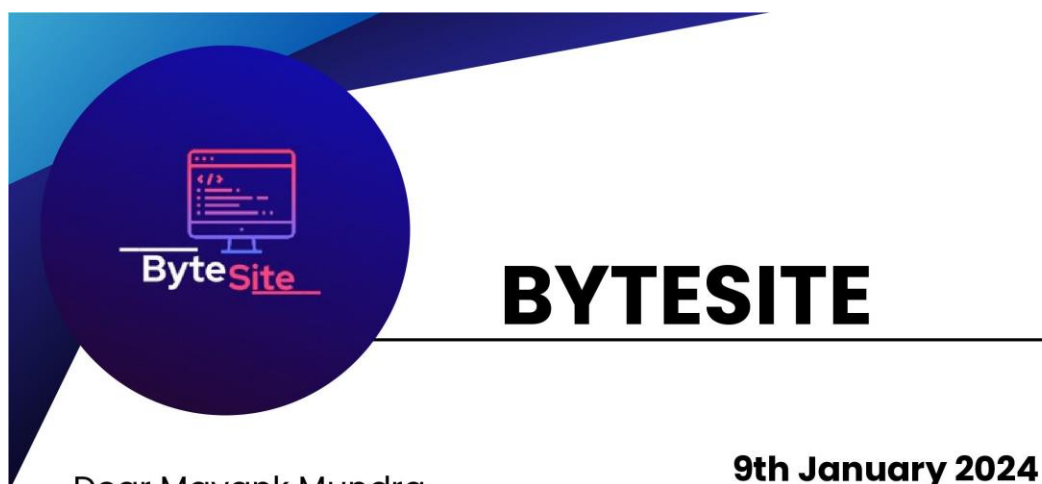
Starting a new internship can be both exciting and a little overwhelming, but please rest assured that we are here to support you every step of the way. Your enthusiasm and fresh perspective are exactly what we need to continue innovating and growing as a company.

---

**One attachment** • Scanned by Gmail ⓘ Refresh

## Annexure 2: Bytesite Offer Letter



Dear Mayank Mundra ,

**9th January 2024**

We are delighted to extend an offer to you for the post of Web Developer Intern at BYTSITE.

After carefully considering your qualifications and your project work, we believe your skills, enthusiasm, and potential will greatly contribute to our team and will provide you with valuable learning opportunities.

Internship Position : **Web Developer Intern**

Department : **Technical**

Internship Duration : **Four Months**

Joining Date : **15th January 2024**

Ending Date : **15th May 2024**

Location : **Remote**

During your internship, you will be involved in various tasks and responsibilities related to web based applications. These responsibilities are designed to provide you with comprehensive understanding of industry and its requirements and will boost your skills in this very field.



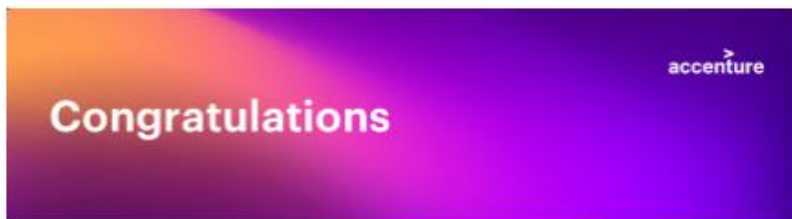
**CoFounder  
BYTESITE**



Ministry of Micro, Small and Medium Enterprises,  
Government of India

**MSME**  
MICRO, SMALL & MEDIUM ENTERPRISES  
महान, सान्छु सान्छु सान्छु सान्छु

## Annexure 3: Accenture Offer Letter



28 February 2024

C06292879

Mayank Mundra

154, panchayati mandir road New Gandhi Chowk, ward no. 9, Shahdol

Dear Mayank Mundra,

This is with respect to your application and the subsequent rounds of discussions you had with us. We are pleased to extend an Offer to join Accenture Solutions Private Limited (hereafter referred to as 'Company') in our Advanced Technology Centers, India, as per the below terms and conditions:

Management Level - 12

Job Title - **Packaged App Development Associate**

Job Family Group - **Software Engineering**

You will be expected to work from the office location tagged to your project/role/client (referred as your Accenture Base Location). Accenture Base Location will be considered for all administrative & operational/official purposes. Exceptions if any/granted, will be interim / temporary, and will be subject to review with HR/business/client. The Company reserves the right to ask you to come to office locations pursuant to our business needs and client requirements. Working remotely is subject to business requirement and your agreeing to terms of the Remote working conditions listed in the attached Declaration. This offer is contingent to the above-mentioned agreement.

### ANNEXURE AND TERMS OF EMPLOYMENT DETAILS

Please refer to:

- Annexure 1 for the compensation and benefits details.
- Annexure 2 for documentation to be submitted by you.
- Annexure 3 Remote working condition - Declaration
- Annexure 4 for declaration
- Terms of Employment, Compensation Plan and Car Lease Scheme (Car lease would NOT be applicable for Management Level 10, 11, 12 & 13)

Your employment with the Company will be governed by the attached Terms of Employment. You are required to carefully read and understand these Terms of Employment as a part of accepting this Offer.

As further detailed in the Terms of Employment, this Offer and your employment with Accenture is subject to successful completion of the qualifying examination from your college as well as satisfactory completion of verification and/or background or reference checks,

1

Candidate's Signature: Mayank

which may occur at any time prior to or after the effective start date of your employment.

Accenture is providing this offer of employment basis preliminary information provided by you at the registration stage and a declaration concerning your agreement with the eligibility criteria. You understand and acknowledge that your employment with Accenture shall be subject to further verification of details and materials/ documents provided to Accenture as well as any further verification deemed necessary to finalize your candidature. You shall continue to meet the eligibility criteria up till and on the date of joining Accenture (if applicable) and agree that Accenture has the right to revoke the offer of employment, in case of failure of verification, or if you are not meeting the eligibility criteria or in case of any misrepresentation at your end.

Your onboarding date will be intimated to you over a separate e-mail by Accenture onboarding team few weeks prior to your actual onboarding date. You are expected to confirm to the same by responding to our email and share your acceptance to join us on the stipulated date.

To indicate your acceptance of this offer and employment with Accenture, please submit a copy of this letter and all relevant Annexures with your signature on each page. In addition, please provide all the documentation identified in Annexure 2.

Fundamental Skill Primers Learning Module: As you are aware that as part of providing our new joiners a unique learning experience, Accenture proposes an online learning module - Fundamental Skill Primers.

- The learning module of this program is typically made available to you to give you a reasonable time to learn at your pace and comfort.
- After completing the Fundamental Skill Primer Learning, you will need to go through the Fundamental Skill Primer assessment.

Upon joining the Company further Stream training program(s) will be conducted for a specific duration on the specific skill set assigned to you. Periodic assessments will be conducted throughout this training program which you are expected to clear. Each of such assessments including Primer assessment will add towards your final score. A min. of 60% will need to be scored for successful clearance. If you are unable to score 60% in the first attempt, you will have up to two additional attempts and will be required to score minimum 60% marks to clear the stream learning assessments.

Your employment with Accenture is subject to your successful completion of the Stream training program and assessments as mentioned above. If you are unable to clear the Stream training assessments in the given 3 attempts successfully, your services with the Company shall be terminated as per Clause 10 outlined in the Terms of Employment.

By completing 100% of Fundamental Skill Primer online modules before the Fundamental Skill primer assessment and scoring 75% or above in the Fundamental Skill Primer assessment, a potential new joiner will be eligible for a learning Incentive of INR 10,000/-.

In the event a government body/authority exercising its jurisdiction and statutory power/authority seeks information pertaining to any aspect of your employment, the Company shall provide such information to the government body/authority without any notification to you. The foregoing shall be applicable to information pertaining to your employment being shared in pursuance of statutory requirements/compliance. You may belong to this category and your details will be disclosed to these authorities.

After acceptance of the offer of employment or any time during the course of your employment with the Company you may be required to undergo drug/alcohol/substance test based on the project you are deployed. This offer and your employment with the Company are contingent upon you completing particular tests as per the requirements of the Company and in the instance of failing these tests namely the drug/alcohol/substance test, the Company may, in its sole discretion, elect to terminate or suspend your employment immediately.

At Accenture, the health and well-being of our people, our clients and the community is our top priority. Before onboarding, we encourage you to take both doses of the COVID-19 vaccine.

**Important to note.**

Your joining the Company will be subject to submission of all the above along with the mandatory documents listed in Annexure 2.

If we do not receive your acceptance or if, after receiving your acceptance of this Offer, if you do not join the Company on the mutually agreed date of joining, the terms of this letter and this Offer of employment will be deemed to have been rejected by you, unless otherwise communicated to you by the Company in writing.

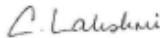
You are required to provide copies of all mandatory documents required by the Company before joining and during the course of your employment, as per the timelines specified/ communicated by the Company from time to time. You may be required to submit additional documents which include but are not limited to your education and past employment/s. The offer of employment and your employment with the Company is dependent on timely submission of such required documents. Non furnishing of mandatory document/s within the specified time shall result in revocation of this Offer/termination of employment.

This offer is contingent on us working together to determine an appropriate start date for your employment. The terms of this letter and this offer are valid for seven (7) days from the date of this letter. If we do not receive the above requested documents from you before the expiration of this period or after receiving your acceptance of this offer if you do not join the Company on a mutually agreed date of joining, or if, we are unable to set an alternative date, the terms of this letter and this offer will be deemed to have been rejected by you, unless otherwise communicated to you by the company in writing. The Company at its sole discretion (including but not limited to unforeseen circumstances like a pandemic or natural calamities) may extend or defer the start date of your joining, for which deferral you will be duly informed. Your joining date and employment with the Company will then start from such deferred/extended date. The start of employment with the Company will be the date on which you have joined the company i.e. onboarding date.

You agree and affirm that the information (personal or otherwise) shared by you at the time of registration and in the application form is accurate, factually correct, and complete and no material information has been withheld by you. Accenture is providing this offer of employment basis preliminary information & documentation provided by you at the registration stage. You understand and acknowledge that this offer & your employment with Accenture shall be subject to further verification of details and materials/ documents provided to Accenture as well as any further verification deemed necessary to finalize your candidature. Accenture may, at its sole discretion, elect to suspend or revoke your offer immediately in case of failure to submit the documents or any mismatch in information shared by you. You may also be during your course of employment required by the company to provide documentation and information from time to time, you shall provide the same within the timelines prescribed by the company. Non furnishing of mandatory document/s within the specified time shall result in termination of employment.

Mayank, we look forward to hearing from you regarding your decision to join our team. In the meantime, please do not hesitate to contact Naresh Subramanyam at <https://indiacampus.accenture.com/myzone/accenture/auth/login> should you have anything you would like to discuss further.

Yours sincerely,



Lakshmi C  
Managing Director and Lead, Human Resources, Accenture in India

ACKNOWLEDGED AND AGREED:


Candidate's Signature: Mayank  
Mayank Mundra

Date: Feb 29, 2024

## Annexure 4: Monthly Progress Report 1

### FORMAT

#### MONTHLY REPORT OF PROGRESS (MRP) FROM INDUSTRY MENTOR


Name of student	Mayank Mundra		Department	MAC	
Industry/Organization	BYTESITE		Date/Duration	25/01/2024 -15/02/2024	
<b>Criterion</b>	<b>Poor</b>	<b>Average</b>	<b>Good</b>	<b>Very Good</b>	<b>Excellent</b>
Punctuality/Timely completion of assigned work				Yes	
Learning capacity/Knowledge upgradation					Yes
Performance/Quality of work				Yes	
Behaviour/Discipline/Team work					Yes
Sincerity/Hard work				Yes	
Comment on nature of work done/Area/Topic	Completed the basic concepts of Foundational topic (Software Testing, SDLC, GIT, OOPS, SQL, Communication Enhancement) successfully				
<b><u>OVERALL GRADE (Any one)</u></b>	<b><u>POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT</u></b>				
<b><u>Name of Industry Mentor</u></b>	Mr. Naman Chourha				
<b><u>Signature of Industry Mentor</u></b>					

<b>Receiving Date</b>		<b>Name of Faculty Mentor</b>		<b>Sign</b>	
-----------------------	--	-------------------------------	--	-------------	--

## Annexure 5: Monthly Progress Report 2

### FORMAT

#### MONTHLY REPORT OF PROGRESS (MRP) FROM INDUSTRY MENTOR


Name of student	Mayank Mundra		Department	MAC	
Industry/Organization	BYTESITE		Date/Duration	15/02/2024 -15/03/2024	
<b>Criterion</b>	<b>Poor</b>	<b>Average</b>	<b>Good</b>	<b>Very Good</b>	<b>Excellent</b>
Punctuality/Timely completion of assigned work				Y	
Learning capacity/Knowledge upgradation					Y
Performance/Quality of work					Y
Behaviour/Discipline/Team work				Y	
Sincerity/Hard work					Y
Comment on nature of work done/Area/Topic	Completed training on HTML5, CSS, JavaScript for Full stack				
<b><u>OVERALL GRADE</u></b>	<b><u>EXCELLENT</u></b>				
<b><u>Name of Industry Mentor</u></b>	Mr. Naman Chourha				
<b><u>Signature of Industry Mentor</u></b>					

<b>Receiving Date</b>		<b>Name of Faculty Mentor</b>		<b>Sign</b>	
-----------------------	--	-------------------------------	--	-------------	--

## Annexure 6: Monthly Progress Report 3

### FORMAT

#### MONTHLY REPORT OF PROGRESS (MRP) FROM INDUSTRY MENTOR


Name of student	Mayank Mundra		Department	MAC	
Industry/Organization	BYTESITE		Date/Duration	15/03/2024 -15/04/2024	
<b>Criterion</b>	<b>Poor</b>	<b>Average</b>	<b>Good</b>	<b>Very Good</b>	<b>Excellent</b>
Punctuality/Timely completion of assigned work					Y
Learning capacity/Knowledge upgradation				Y	
Performance/Quality of work					Y
Behaviour/Discipline/Team work					Y
Sincerity/Hard work					Y
Comment on nature of work done/Area/Topic	Completed training on basic concepts of MERN(MongoDB, Express.js, React.js, Node.js) stack				
<b><u>OVERALL GRADE</u></b>	<b><u>EXCELLENT</u></b>				
<b><u>Name of Industry Mentor</u></b>	Mr. Naman Chourha				
<b><u>Signature of Industry Mentor</u></b>					

<b>Receiving Date</b>		<b>Name of Faculty Mentor</b>		<b>Sign</b>	
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## Annexure 7: Monthly Progress Report 4

### **FORMAT**

#### **MONTHLY REPORT OF PROGRESS (MRP) FROM INDUSTRY MENTOR**

Name of student	Mayank Mundra		Department	MAC	
Industry/Organization	<b>BYTESITE</b>		Date/Duration	15/04/2024 -15/05/2024	
<b>Criterion</b>	<b>Poor</b>	<b>Average</b>	<b>Good</b>	<b>Very Good</b>	<b>Excellent</b>
Punctuality/Timely completion of assigned work					Y
Learning capacity/Knowledge upgradation				Y	
Performance/Quality of work				Y	
Behaviour/Discipline/Team work					Y
Sincerity/Hard work				Y	
Comment on nature of work done/Area/Topic	Completed training on basic concepts of MERN (MongoDB, Express.js, React.js, Node.js) stack				
<b><u>OVERALL GRADE</u></b>	<b><u>VERY GOOD</u></b>				
<b><u>Name of Industry Mentor</u></b>	Mr. Naman Chourha				
<b><u>Signature of Industry Mentor</u></b>					

<b>Receiving Date</b>		<b>Name of Faculty Mentor</b>		<b>Sign</b>	
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