

# Q Kart Dynamic Website using Mern Stack

## Internship report

Submitted for the partial fulfillment of the degree of

**BACHELOR OF TECHNOLOGY**

**IN**

**Mathematics & Computing**

*Submitted By*

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(0901MC201051)

UNDER THE SUPERVISION AND GUIDANCE OF

**Dr. Vikas P. Shinde**

**Professor & Head**

Department of Engineering Mathematics &  
Computing MITS, Gwalior



**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**

January - June 2024



**Madhav Institute of Technology & Science, Gwalior (M.I.T.S.)**  
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### DECLARATION BY THE CANDIDATE

I hereby declare that the work entitled "Qkart Dynamic Website Using mern Stack" is my work conducted under the supervision of Mr. Vishal or. (Indybe infotech Private Limited) and Dr. Vikas P. Shinde, Professor & Head, Department of Mathematics & Computing, Madhav Institute of Technology & Science, Gwalior, during the session Jan-April 2024. The report submitted by me is a record of bonafide work carried out by me.

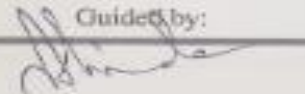
I further declare that the work reported in this report has not been submitted and will not be submitted, either in part or in full, for the award of any other degree or diploma in this institute or any other institute or university.

Date: 17/05/2024  
Place: Gwalior

  
Ravindra Jha  
0901MC201051

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


Guided by:



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Professor & Head  
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Mathematics & Computing  
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### PLAGIARISM CHECK CERTIFICATE

This is to certify that I am a student of B.Tech. in Department of Mathematics & Computing have checked my complete report entitled "Qkart Dynamic Website Using java Stack" for plagiarism using the "Turnitin" software available in the institute.

This is to certify that the plagiarism found in my report is found to be 11% which is within the specified limit (20%).

The full plagiarism report along with the summary is enclosed.

Ravindra Sharma

0901MC201051

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Checked & Approved by:

DR. Jitendra Kumar  
Associate Professor

Department of Engineering  
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MITS, Gwalior



# Madhav Institute of Technology & Science, Gwalior (M.P.)

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## **EXECUTIVE SUMMARY**

QTrip is your ultimate travel companion, offering a curated selection of adventures in diverse cities for the intrepid explorer.

Throughout the development of this project, we have meticulously crafted web pages using a combination of HTML, CSS, and JavaScript to create a visually appealing and interactive platform. Our focus on user experience is evident in the implementation of multi-select filters and captivating image carousels, allowing travelers to easily navigate and discover their ideal destinations.

To further enhance functionality, we have integrated conditional rendering to dynamically adjust page elements based on user interactions. By leveraging localStorage, we provide a personalized experience by saving user preferences locally. The seamless reservation process is facilitated through the fetch API, ensuring a smooth and efficient booking experience for our users.

With our website deployed on Netlify/Vercel for Frontend and Render for Backend, we guarantee a reliable and high-performance platform for travelers to explore and plan their next adventure with ease. Join us at QTrip and embark on a journey of discovery and excitement in cities around the globe.



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## **ABSTRACT**

The QTrip project is a comprehensive travel website catering to adventurers seeking diverse experiences in various cities. Through the utilization of HTML, CSS, and JavaScript, we have created dynamic web pages that enhance user experience with multi-select filters and image carousels. The implementation of conditional rendering has optimized page elements, providing a seamless browsing experience for users.

By leveraging localStorage, we have personalized the platform by saving user preferences locally and streamlined the reservation process through the fetch API. The website is deployed using Netlify/Vercel for Frontend and Render for Backend, ensuring high performance and reliability for travelers exploring new destinations.

The architecture of QTrip involves fetching data using REST API to dynamically render the landing page, creating an adventures page with multi-select filters, and developing the Adventure details page with reservation support. The deployment of the QTripDynamic website involves deploying the backend to Heroku and configuring the frontend on Netlify, showcasing a holistic approach to creating a user-friendly and engaging travel platform.



### ACKNOWLEDGEMENT

I would like to express my sincere appreciation to my supervisor Mr. Vishal for his guidance, encouragement, and support throughout the course of this work. It was an invaluable learning experience for me to be one of their students. From them I have gained not only extensive knowledge, but also a careful research attitude.

I am also thankful to my faculty mentor & Head of Mathematics & Computing department Dr. Vilas P. Shinde for his cooperation with me and for his constructive criticism throughout my internship.

I am highly indebted to Dr. R K Pandit, Director M.I.T.S., Gwalior (M.P.) for the facilities provided to accomplish this internship.

I would like to thank prof. Dr. D K Jais, internship coordinator, Department of Mathematics & Computing for their support and advices to complete internship in above said organization. I am extremely grateful to my department staff members and friends who helped me in successful completion of this internship.

Date: 17/05/2024  
Place: Gwalior (M.P.)

Kavindra Jha  
0901MC201051



**Madhav Institute of Technology & Science, Gwalior (M.P.)**

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**CERTIFICATE OF INTERNSHIP**



**IndVibe Infotech Pvt Ltd**

iso 9001:2015 certified company

**INTERNSHIP COMPLETION CERTIFICATE**

Date 15-May, 2024

This is to certify that **Mr. Ravindra Jha** is a student of b.tech specialization in Mathematics and computing from madhav institute of technology and science, Gwalior (M.P.) has been successfully completed the 04 months (01-january, 2024 to 01-may, 2024) Internship Programme in **Web Designing Frontend Development**, at IndVibe InfoTech Pvt Ltd.

Wishing you a great future in the IT Industry and looking forward to seeing you at IndVibe InfoTech Pvt Ltd.

Warm Regards

Center Head  
IndVibe InfoTech Pvt Ltd

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## LIST OF ACRONYMS

<b>Abbreviation</b>	<b>Full form</b>
HTML	Hypertext Markup Language
CSS	Cascading Style Sheets

# Chapter 1: Introduction

## 1.1 WEB DEVELOPMENT

This term refers to the creation and maintaining of web pages which includes the work in development of a website for World Wide Web. The work ranges from development of single word page with a plain text to difficult web applications for the use of businesses, or network services. It comprises many features such as web design, database management and web programming. It is made up of two parts:

- WEB: It leads to the web pages, websites or whatever which is working on internet.
- DEVELOPMENT: It leads to the development of application from beginning to end note.

## 1.2 Web Development can be categorized into two ways :

- Frontend Development
- Backend Development

## 1.3 GOALS:

- 2 Master practical programming skills in JavaScript, including DOM manipulation, asynchronous data fetching with Fetch API, and implementing multi-select filters and conditional rendering for enhanced user experience.
- 3 Expand knowledge in modern web development technologies such as HTML5, CSS, and Bootstrap framework to create responsive and visually appealing web pages for the travel website.
- 4 Advance proficiency in backend development by learning PHP and the Laravel framework to support the implementation of reservation logic and backend API integration for the QTrip website.
- 5 Enhance communication skills by effectively articulating technical concepts and collaborating with team members to ensure seamless integration of frontend and backend components.
- 6 Develop a strong foundation in REST API concepts, JSON data manipulation, and cURL for efficient data retrieval and rendering on the website's landing and adventures pages.
- 7 Improve research abilities to stay updated with the latest trends in web development, user experience design, and travel industry best practices to ensure the QTrip website remains competitive and engaging.
- 8 Strengthen problem-solving capabilities by actively troubleshooting and resolving technical challenges encountered during the development and deployment phases of the QTrip website.
- 9 Stay informed about industry trends and best practices by regularly reading professional journals and newsletters related to web development, travel industry innovations, and frontend/backend integration techniques.

- 10 Familiarize yourself with key professional concepts such as deployment strategies, local storage utilization, and the importance of responsive design for a seamless user experience across devices.
- 11 Enhance professional ethics and values by prioritizing user privacy and security, adhering to industry standards, and ensuring the website's compliance with data protection regulations.
- 12 Improve technical proficiency in deployment technologies such as Heroku, Netlify, and Vercel to effectively deploy and manage both frontend and backend components of the QTrip web



## **Chapter 2: Company Profile**

### **2.1 History.....**

Established in 2019, **Infotech Indvibe pvt Ltd.** aspires to design and develop creative web apps, mobile apps, software, and related solutions. Using modern technology and latest marketing trends, we create functional website and application that works seamlessly on different browsers. Since our **Software Development Company is based in India**, we are experts in developing and deploying the products that you need. Our IT experts are fully focused on teamwork and the quality of work to help you empower your business and IT infrastructure. We are a trusted and innovating IT firm in India that works for your better and brighter future.

### **2.2 Vision and Mission.....**

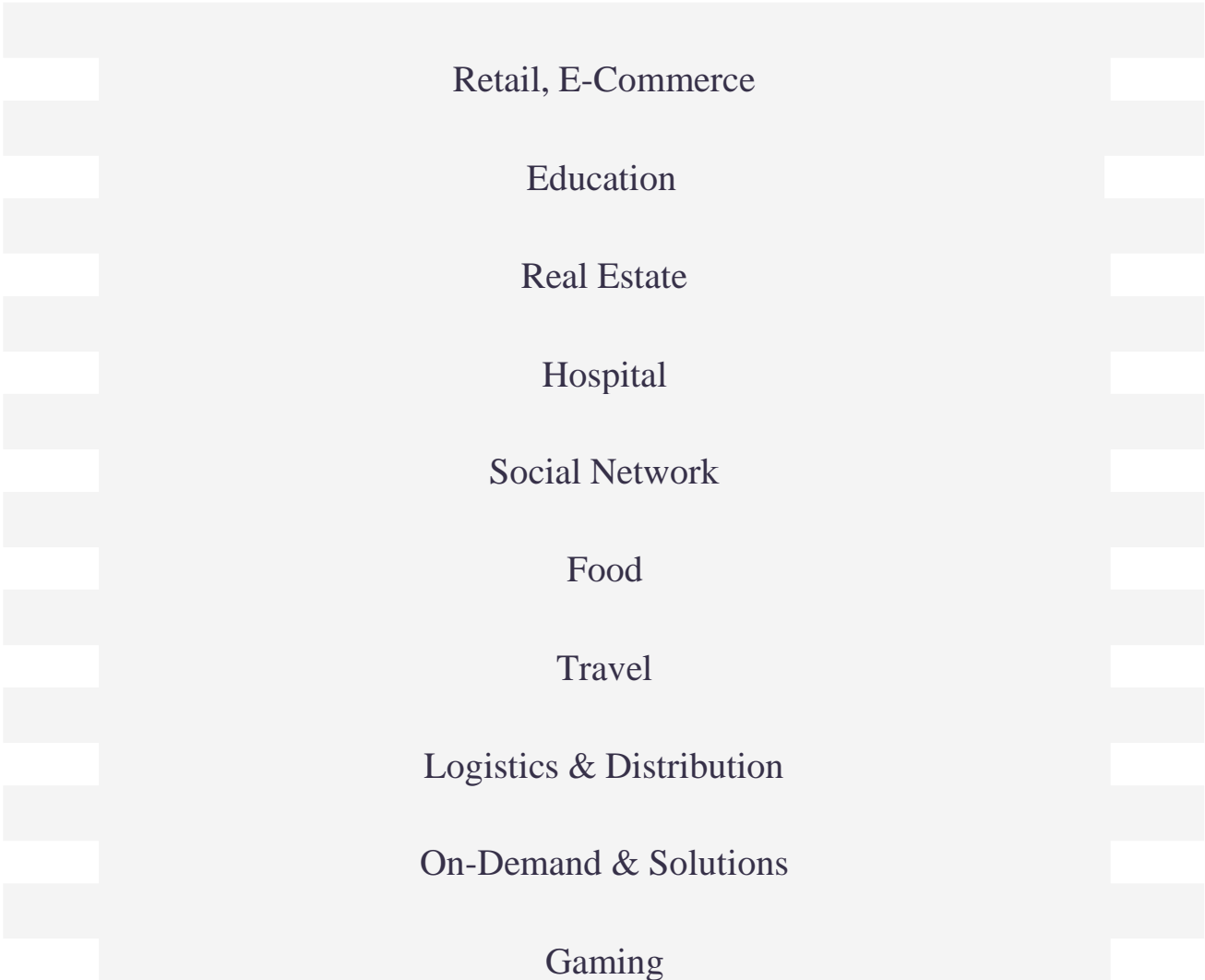
**Vision-** We at **Infotech Indvibe pvt Ltd**, offer world-class IT services for our potential clients and make sure that they get more than what they have asked for. **Infotech Indvibe pvt Ltd.** intensely trusts in the methodology that brings desired outcomes, saves a lot of time, and produces profit! We ensure that client satisfaction is our first precedence and we endeavor to reach that. Our company offers assistance to drive growth to several leading industries combining inbound sales and marketing services, and the right strategies to gain customer acquisition. We endeavor to make arrangements accessible to everybody and give the best conceivable IT items and administrations as required.

**Mission-** **Infotech Indvibe pvt Ltd.** points to provide the best-in-class IT administrations and upgrade the in general competitive edge of your ever-flourishing commerce. With a solid decent footing of specialized ability, inventive concepts, and capability, our company offers item arrangements and related administrations with the most noteworthy flawlessness and standard rules. Our utmost perfection in our work is something that makes us stand one step ahead of our competitors in the marketplace. Having years of experience, good know-how, technical ability, and the latest strategies would truly help you to enhance the way your business works.

We at **Infotech Indvibe pvt Ltd.** are envisioned to mention the website plans and setup technologies that can build global online brands.

**2.3 Clients and Products/Services.....**

As a top IT firm based in India, **Infotech Indvibe pvt Ltd.** provides cutting-edge solutions to clients globally. We collaborate with various technology partners to tailor our offerings to meet the specific needs of our customers. Our focus is on delivering valuable solutions to our esteemed clients worldwide.



## Chapter 3: What I Have Learned

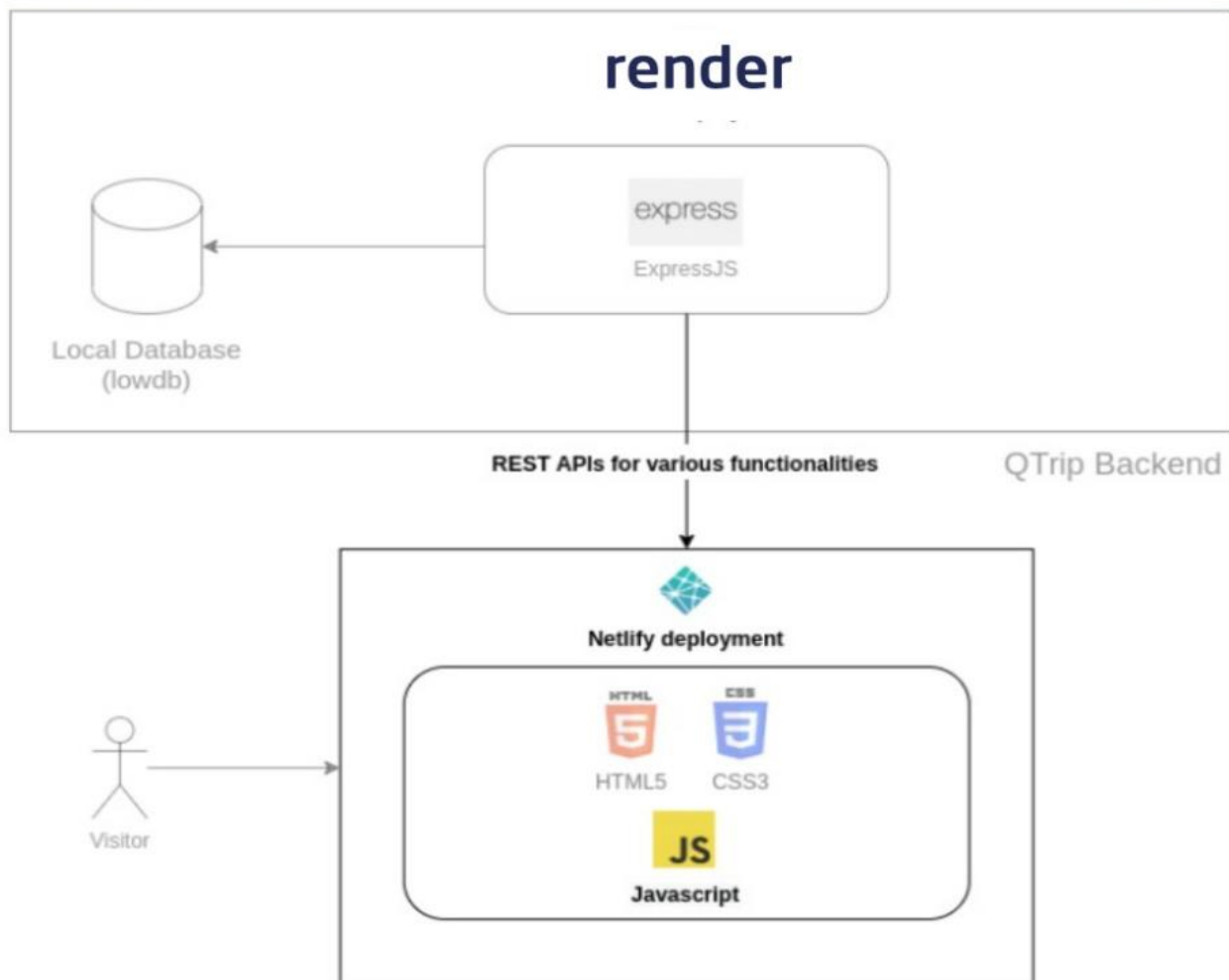
### Fetch data using REST API and dynamically render landing page

#### Scope of Work

- Retrieved cities data from the backend REST API endpoint using Javascript's Fetch API
- Created HTML for the cities grid with Bootstrap class to add responsiveness
- Implemented logic to dynamically plug in city data to the Landing page's DOM

#### Skills used

HTML, CSS, JS, Bootstrap, REST APIs, JSON, DOM Manipulation, cURL



## Implement the adventures page with multi-select filters

### Scope of work

- Fetched adventures data for the city by invoking the backend API from the page URL's query parameter
- Inserted HTML populated with API response data to the adventure page's DOM
- Implemented logic to add both multi-select and single-select filters
- Added logic to persist the filters selected by the user in the browser's localStorage

### Skills used

JS, Bootstrap Flex, Bootstrap Spacing, ES6, localStorage

## Create the Adventure details page with reservation support and the Reservations page to show all reservations

### Scope of work

- Added a sleek image carousel using Bootstrap2
- Implemented reservation logic by using Fetch API to send a POST request to the backend, on form submission
- Conditionally rendered the "Sold out" panel and the reservations page based on the API response

### Skills used

JS, Bootstrap, Conditional rendering, Bootstrap Carousel

## Deploy the QTripDynamic website

### Scope of work

- Deployed the QTrip backend to Heroku
- Configured the QTrip dynamic frontend to use the Heroku deployed backend
- Deployed the QTrip dynamic frontend to Netlify

### Skills used

Deployment, Heroku, Netlify

## Chapter 4: PROJECT PLANNING

4.1 HOME: The project focuses on creating a website application for an environmentally friendly organization. It covers front-end and back-end development, essential for everyday life applications.

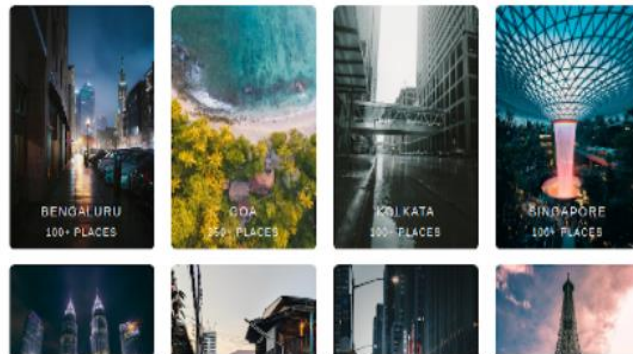
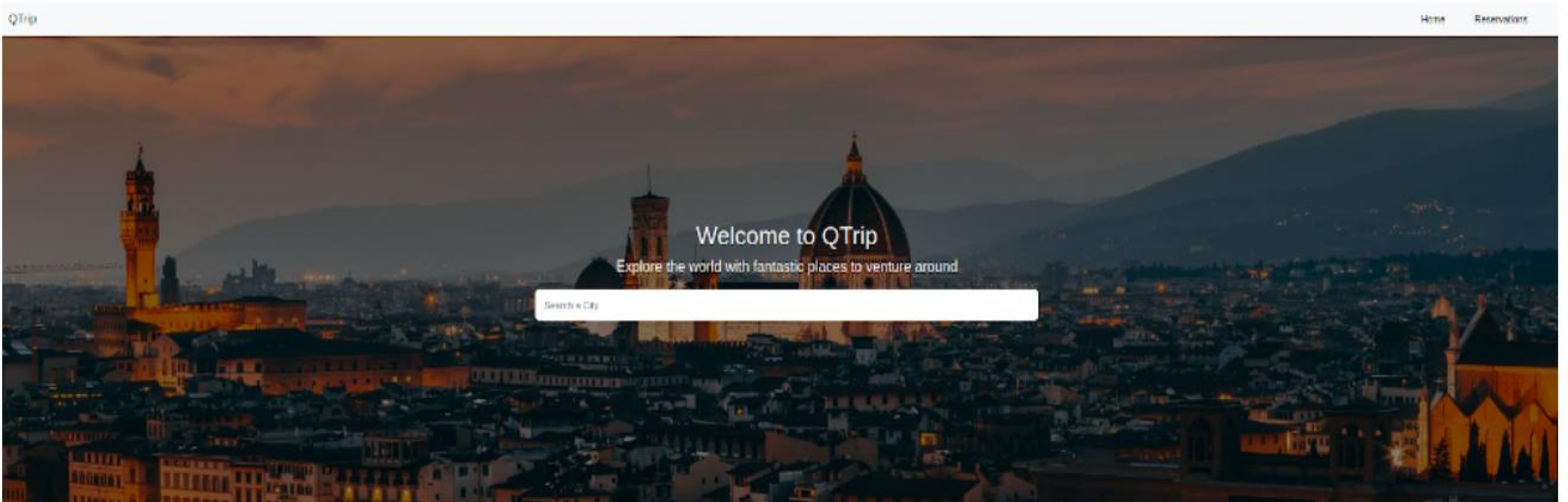
4.2 ABOUT: The Emerald Website project aims to integrate Ayurvedic and Allopathic healthcare, blending ancient wisdom with modern science for holistic wellness solutions. Challenges include harmonizing different diagnostic methods and regulatory standards, but the personalized nature of Ayurveda aligns with precision medicine principles.

4.3 LITERATURE REVIEW: Research on integrating Ayurvedic and Allopathic medicine highlights opportunities for personalized healthcare and managing chronic conditions through Ayurvedic therapies. Challenges include varying diagnostic methods, treatment protocols, and regulations. Collaborative efforts are crucial for maximizing the benefits of integrative healthcare.

4.4 PROJECT DETAILS: Project Details:

- Deployed the QTripDynamic website

- Scope of work included deploying QTrip backend to Heroku
- Configured QTrip dynamic frontend to use the Heroku backend
- Deployed QTrip dynamic frontend to Netlify Skills used: Deployment, Heroku, Netlify



parameter



EXPLORER

- RAVIJHA110903-ME\_QTRIP...
- \_\_CRIO\_\_
- .vscode
- backend
- frontend
- tests
- .netlify
- conf
- css
- modules
- pages/adventures
  - detail
  - reservations
  - index.html**
  - index.html
- .gitattributes
- .gitignore
- package-lock.json

OUTLINE  
TIMELINE

```
frontend > pages > adventures > index.html > {} "index.html"
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8" />
5     <meta name="viewport" content="width=device-width, initial-scale=1.0" />
6     <title>QTrip Adventures</title>
7     <link rel="stylesheet" href="../../css/styles.css" />
8     <link
9       href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
10      rel="stylesheet"
11      integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
12      crossorigin="anonymous"
13     />
14   </head>
15
16   <body>
17     <!-- Navigation bar -->
18     <nav class="navbar navbar-expand-lg navbar-light bg-light ps-3">
19       <a class="navbar-brand" href="../../">QTrip</a>
20       <div id="city-name"></div>
21       <button
22         class="navbar-toggler"
23         type="button"
24         data-bs-toggle="collapse"
25         data-bs-target="#navbarNavDropdown"
26         aria-controls="navbarNavDropdown"
27         aria-expanded="false"
28         aria-label="Toggle navigation"
29       >
30         <span class="navbar-toggler-icon"></span>
31       </button>
32
```



EXPLORER

- RAVUHA110903-ME\_QTRIP...
- \_\_CRIO\_\_
- .vscode
- backend
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  - detail
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- index.html
- .gitattributes
- .gitignore
- package-lock.json

OUTLINE

TIMELINE

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<div class="collapse navbar-collapse" id="navbarNavDropdown">
  <ul class="navbar-nav d-flex justify-content-end w-100">
    <li class="nav-item active">
      <a class="nav-link" href="..">Home</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="/reservations/">Reservations</a>
    </li>
  </ul>
</div>
</nav>

<!-- Content section -->
<div class="container">
  <div class="content">
    <!-- Page heading and description -->
    <h1>Explore all adventures</h1>
    <p style="font-size: 24px">
      Here's a list of places that you can explore in city
    </p>
    <div class="mb-5">
      <!-- Filters section -->
      <div class="filter-bar d-flex align-items-center">
        <div class="filter-bar-tile">
          <label for="duration">Filters:</label>
        </div>
      </div>
      <!-- Duration filter (select one) -->
      <div class="filter-bar-tile d-flex align-items-center">
        <select
          class="form-control form-select"

```



QTripDynamic Workspace URL: 13.201.36.2 Check Internet View Workspace Portfolio

EXPLORER index.html X

RAVUJHA110903-ME\_QTRIP... frontend > pages > adventures > index.html > {} "index.html"

```
64     name="duration"
65     id="duration-select"
66     onchange="selectDuration(event)"
67   >
68     <option disabled selected value="">
69       Filter by Duration (Hours)
70     </option>
71     <option value="0-2">0-2 Hours</option>
72     <option value="2-6">2-6 Hours</option>
73     <option value="6-12">6-12 Hours</option>
74     <option value="12-99">12+ Hours</option>
75   </select>
76   <div
77     class="ms-3"
78     style="color: #0645ad; cursor: pointer"
79     onclick="clearDuration(event)"
80   >
81     Clear
82   </div>
83 </div>
84
85 <!-- Category filter (select one or many) -->
86 <div class="filter-bar-tile d-flex align-items-center">
87   <select
88     class="form-control form-select"
89     id="category-select"
90     onchange="selectCategory(event)"
91   >
92     <option disabled selected value="">Add Category</option>
93     <option value="Cycling">Cycling Routes</option>
94     <option value="Hillside">Hillside Getaways</option>
95     <option value="Beach">Beach Scenes</option>
```

Ln 1, Col 1 Spaces: 2 UTF-8 LF HTML Go Live

QTripDynamic Workspace URL: 13.201.36.2 Check Internet View Workspace Portfolio

EXPLORER index.html X

RAVUJHA110903-ME\_QTRIP... frontend > pages > adventures > index.html > {} "index.html"

```
96     class="ms-3"
97     style="color: #0645ad; cursor: pointer"
98     onclick="clearCategory(event)"
99   >
100     Clear
101   </div>
102 </div>
103 <!-- Section to display all selected categories -->
104 <div class="mt-2 id="category-section">
105   <div class="d-flex align-items-center" id="category-list"></div>
106 </div>
107 <!-- Display Adventures cards -->
108 <div class="row" id="data"></div>
109 </div>
110 </div>
111 <!-- Footer -->
112 <div class="container d-flex justify-content-center align-items-center">
113   © QTrip 2023
114 </div>
115 </div>
116 <!-- Bootstrap script -->
117 <script
118   src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"
119   integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/twTxxVxm"
120   crossorigin="anonymous"
121 ></script>
```

Ln 1, Col 1 Spaces: 2 UTF-8 LF HTML Go Live Prettier

```
EXPLORER
RAVIJHA110903-ME_QTRIP...
  > _CRIO_
  > .vscode
  > backend
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  > _tests_
  > .netlify
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  > css
  > modules
  > pages/adventures
    > detail
    > reservations
      index.html
      index.html
      .gitattributes
      .gitignore
      package-lock.json
  > OUTLINE
  > TIMELINE

frontend > pages > adventures > index.html > {} "index.html"
130 <script type="module">
131   import {
132     getCityFromURL,
133     fetchAdventures,
134     addAdventureToDOM,
135     filterByDuration,
136     filterByCategory,
137     filterFunction,
138     saveFiltersToLocalStorage,
139     getFiltersFromLocalStorage,
140     generateFilterPillsAndUpdateDOM,
141   } from "../../modules/adventures_page.js";
142
143   // Declaring global variable adventure
144   let adventures;
145
146   //Checks if filters are available in local storage and sets the value accordingly
147   // The structure of "filters" object is { duration: "6-10", category: [] }, which basically means duration is single-val
148
149
150
151   let filters =
152     getFiltersFromLocalStorage() !== null
153     ? getFiltersFromLocalStorage()
154     : { duration: "", category: [] };
155
156   //entry point (executed when DOM is loaded)
157   (async function () {
158     //Fetches the City from URL query param (here : window.location.search is an in-built browser property that returns the
159     let city = await getCityFromURL(window.location.search);
160
161     //Fetches the adventures for the particular city
```

```
index.html X
frontend > pages > adventures > index.html > {} "index.html"
169
170   // Updates the DOM with filter pills if any
171   generateFilterPillsAndUpdateDOM(filters);
172   })();
173
174
175 // ***** SELECT DURATION*****
176
177
178 //executed when onChange() is triggered on duration filter dropdown
179 function selectDuration(event) {
180   // TODO: MODULE_FILTERS
181   // 1. Change the DOM to show the selected duration filter. Use the provided input event
182   // 2. Invoke saveFiltersToLocalStorage here
183
184   let duration = event.target.value;
185
186   document.getElementById("data").textContent = "";
187
188   document.getElementById("duration-select").selectedIndex = 0;
189
190   filters["duration"] = duration;
191
192   saveFiltersToLocalStorage(filters)
193
194   generateFilterPillsAndUpdateDOM(filters);
195
196   let filteredAdventures = filterFunction(adventures, filters);
197
198   addAdventureToDOM(filteredAdventures);
199
200
```

QTripDynamic    Workspace    URL: 13.201.36.2    Check Internet    View    Workspace    Portfolio

EXPLORER    index.html

```
frontent > pages > adventures > index.html > {} "index.html"
202 }
203
204 // ***** CLEAR_DURATION *****
205
206 //executed when clear button is clicked on duration filter dropdown
207 function clearDuration(event) {
208   // TODO: MODULE_FILTERS
209   // 1. Change the DOM to clear the Duration filter. Refer clearCategory() below
210   // 2. Invoke saveFiltersToLocalStorage here
211
212   document.getElementById("data").textContent = "";
213   document.getElementById("category-list").textContent = "";
214
215   filters["duration"] = "";
216   let filteredAdventures = filterFunction(adventures, filters);
217   addAdventureToDOM(filteredAdventures);
218
219   saveFiltersToLocalStorage(filters)
220 }
221
222
223 // ***** SELECT CATAGORY *****
224
225 //executed when onChange() is triggered on category filter dropdown
226 function selectCategory(event) {
227   document.getElementById("data").textContent = "";
228   document.getElementById("category-list").textContent = "";
229
230   let category = event.target.value;
```

Ln 1, Col 1    Spaces: 2    UTF-8    LF    HTML    Go Live    Prettier

QTripDynamic    Workspace    URL: 13.201.36.2    Check Internet    View    Workspace    Portfolio

EXPLORER    index.html

```
frontent > pages > adventures > index.html > {} "index.html"
251 // ***** CLEAR CATAGORY *****
252
253 //executed when clear button is clicked on category filter dropdown
254 function clearCategory(event) {
255   document.getElementById("data").textContent = "";
256   document.getElementById("category-list").textContent = "";
257
258   filters["category"] = [];
259   let filteredAdventures = filterFunction(adventures, filters);
260   addAdventureToDOM(filteredAdventures);
261
262   saveFiltersToLocalStorage(filters)
263 }
264
265 //helper function
266 function onlyUnique(value, index, self) {
267   return self.indexOf(value) === index;
268 }
269
270
271 //registering module based functions in the DOM in order for them to work
272 window.selectDuration = selectDuration;
273 window.selectCategory = selectCategory;
274 window.clearDuration = clearDuration;
275 window.clearCategory = clearCategory;
276
277 </script>
278 </body>
279 </html>
```

Ln 1, Col 1    Spaces: 2    UTF-8    LF    HTML    Go Live    Prettier

```
fronted > pages > adventures > index.html > {} "index.html"
242 let filteredAdventures = filterFunction(adventures, filters);
243 addAdventureToDOM(filteredAdventures);
244
245 // TODO: MODULE_FILTERS
246 // 1. Invoke saveFiltersToLocalStorage here
247 saveFiltersToLocalStorage(filters)
248 }
249
250 // ***** CLEAR CATEGORY *****
251
252 //executed when clear button is clicked on category filter dropdown
253 function clearCategory(event) {
254   document.getElementById("data").textContent = "";
255   document.getElementById("category-list").textContent = "";
256
257   filters["category"] = [];
258   let filteredAdventures = filterFunction(adventures, filters);
259   addAdventureToDOM(filteredAdventures);
260
261   saveFiltersToLocalStorage(filters)
262 }
263
264 //helper function
265 function onlyUnique(value, index, self) {
266   return self.indexOf(value) === index;
267 }
268
269 //registering module based functions in the DOM in order for them to work
270 window.selectDuration = selectDuration;
271
272
273
```

# Chapter 5: Conclusion

## 5.1 CONCLUSION :

The objective of this internship is to deliver a comprehensive understanding of website development in web development. A poorly planned website can lead to a negative experience for visitors, which in turn can impact business negatively. Generally, an effective page layout should satisfy key elements such as color contrast, content organizationn, font selection, page style, size, layout, and consistency. To design a well-suited page for a specific audience, designers must analyze user insights and client backgrounds. While it's challenging to create a design that suits every user, there's typically a design that appeals to the majority. A well-designed page tends to attract more visitors, resulting in increased visibility and potentially boosting business opportunities

## **BIBLIOGRAPHY:**

MR.Vishal , S. S. (2019). *Web Development*. Retrieved from **Indvibe infotech Private Ltd.**

Livia Sangeorzan, G.-A. S. (2016, October). *WEB DEVELOPMENT TECHNIQUES FOR APPLICATIONS AND WEBSITES*. Retrieved from Research Gate:  
[https://www.researchgate.net/publication/325819459\\_WEB\\_DEVELOPMENT\\_TECHNIQUES\\_FOR\\_APPLICATIONS\\_AND\\_WEBSITES](https://www.researchgate.net/publication/325819459_WEB_DEVELOPMENT_TECHNIQUES_FOR_APPLICATIONS_AND_WEBSITES)

*HTML Basic Examples*. (n.d.). Retrieved from W3Schools :  
[https://www.w3schools.com/html/html\\_basic.asp/](https://www.w3schools.com/html/html_basic.asp/)

*JavaScript Basics - Learn Web Development*. (n.d.). Retrieved from MDN Web Docs:  
[https://developer.mozilla.org/en-US/docs/Learn/Getting\\_started\\_with\\_the\\_web/JavaScript\\_basics](https://developer.mozilla.org/en-US/docs/Learn/Getting_started_with_the_web/JavaScript_basics)

*What are the best Browsers for Web Development?* (2023). Retrieved from geeksforgeeks:  
<https://www.geeksforgeeks.org/what-are-the-best-browsers-for-web-development/>

*Emerald pharma Private Limited*. (2024). Retrieved from Emerald pharma Private Limited:  
<https://emeraldpharma.co.in/>

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Summary

## **Learning Outcomes**

An internship in web development that involves creating a user friendly healthcare solution website can yield comprehensive learning outcomes. Throughout the internship, Interns can expect to enhance their technical skills significantly by gaining proficiency in various programming languages (such as HTML, CSS, JavaScript) and frameworks/libraries. They will also develop a deep understanding of web development principles, including responsive design, accessibility, and user experience optimization.

Beyond technical abilities, interns develop problem-solving skills by troubleshooting code and finding solutions to complex challenges. Additionally, they gain valuable experience in project management, learning to prioritize tasks, meet deadlines, and collaborate effectively with team members. Moreover, interns will sharpen their problem-solving abilities through the process of designing, developing, and debugging a complete website.

In addition to technical and project management skills, Soft skills such as communication, teamwork, adaptability, and time management are also honed throughout the internship and interns will gain valuable experience in user testing and feedback incorporation, ensuring the website meets user needs and expectations.

Furthermore, an internship focused on developing a holistic website provides a well-rounded learning experience that prepares interns for a successful career in web development and helping them stand out in the competitive job market.

**Daily Diary**

1: Monthly Overview of Internship Activities		
1 <sup>ST</sup> Mon th	Date	Name of the topic / module completed
	11/01/2023	Introduction to Company
	12/01/2023	Introduction to web design
	16/01/2023	Introduction to web development
	23/01/2023	Introduction to html
	2/01/2023	Introduction to CSS

2: Monthly Overview of Internship Activities		
2 <sup>nd</sup> Mo nth	Date	Name of the topic / module completed
	13/02/2023	CSS Syntax
	17/02/2023	Selector in CSS
	27/02/2023	External Style Sheet
	02/03/2023	Inline Style
	06/03/2023	Introduction to Webpage
	10/03/2023	Intro to Bootstrap

### 3: Monthly Overview of Internship Activities

3 <sup>rd</sup> Mo nth	Date	Name of the topic / module completed
	13/03/2023	Designing of webpage
	20/03/2023	Create Design Using Whimsical
	28/03/2023	Interactive Elements Designing
	03/04/2023	Future Outlook of Website

### 4: Monthly Overview of Internship Activities

4 <sup>th</sup> Mont h	Date	Name of the topic / module completed
	10/04/2023	Start Code in html
	13/04/2023	Create index.html file
	17/04/2023	Create coming.html file
	24/04/2023	Create index.css
	28/04/2023	Create login.html file
	04/04/2023	Debugging Error

**MPRs**


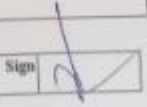
MPR-1

Annexure-3

**MPRs**

MPR-1

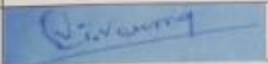
(W)R)IGHTLY PROGRESS REPORT (RPR) FROM INDUSTRY/COMPANY MENTOR


Name of Student	Ravindra Iha	Enrollment No.	D0015MC201031		
Department	Mathematics & Computing	Sem.	8 (Session Jan-June 24)		
Industry/Organization	IndoCube Infotech Pvt. Ltd.	Date/Duration	10/01/24-13/02/24		
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work				YES	
Learning capacity/Knowledge up gradation					YES
Performance/Quality of work					YES
Behaviour/ Discipline/ Team work					YES
Sincerity/ Hard work				YES	
Comment on nature of work done/ Area/ Topic					
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
Name of Industry/Company Mentor	Mr. Vinod Verma				
Signature of Industry/Company Mentor					
Receiving Date	15/04/24	Name of Faculty Mentor	Dr. Yikash Shinda	Sign	

MPR-2

MPR-2

**WEEKLY PROGRESS REPORT (WPR) FROM INDUSTRY/COMPANY MENTOR**


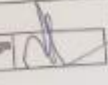
Name of Student	Ravindra Bha	Enrollment No.	IP01MC201031		
Department	Mathematics & Computing	Sem.	8 (Session: Jan-June 24)		
Industry Organization	Indiatech Infotech Pvt Ltd	Date Duration	15/01/24 - 15/03/24		
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality-Timely completion of assigned work				YES	
Learning capacity Knowledge up gradation					YES
Performance Quality of work					YES
Behaviour Discipline Team work					YES
Sincerity Hard work				YES	
Comment on nature of work done Area/Topic					
<b>OVERALL GRADE (Any one)</b>	<b>POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT</b>				
Name of Industry/Company Mentor	Mr. Vishal Verma				
Signature of Industry/Company Mentor					

Receiving Date	15/04/24	Name of Faculty Mentor	Dr. Vikash Shinde	Sign	
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MPR-3

MPR-3


**FOURTHLY PROGRESS REPORT (FPR) FROM INDUSTRY/COMPANY MENTOR**

Name of Student	Ravindra Jha	Enrollment No.	K0015MC300951		
Department	Mathematics & Computing	Sem.	I (Session: Jan-June 24)		
Industry/Organization	InfoByte Infotech Pvt. Ltd.	Date Duration	14/01/24 - 15/04/24		
<b>Criteria</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 up gradation					YES
Performance/Quality of work					YES
Behaviour/Discipline/Team work					YES
Sincerity/Hard work				YES	
Comment on nature of work done/Area/Topic					
<b>OVERALL GRADE (Any one)</b>	<b>POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT</b>				
Name of Industry/Company Mentor	Mr. Vishal Verma				
Signature of Industry/Company Mentor					
Receiving Date	15/04/24	Name of Faculty Mentor	Dr. V. K. Shinde	Sign	

MPR-4

MPR-4

WEEKLY/BIWEEKLY/QUARTERLY/SEMESTERLY PROGRESS REPORT (IFPH) FROM INDUSTRY/COMPANY MENTOR

Name of Student	Ravindra Jha	Enrollment No.	00015MC203001		
Department	Mathematics & Computing	Sem	I <sup>st</sup> (Session: Jan-June 24)		
Industry/Organization	Indraba Infotech Pvt. Ltd.	Date/Duration	15/04/24 - 15/05/24		
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality-Timely completion of assigned work				YES	
Learning capacity Knowledge up gradation					YES
Performance Quality of work					YES
Behaviour-Discipline Team work					YES
Sincerity-Hard work				YES	
Comment on nature of work done: Area/Topic					
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
Name of Industry/Company Mentor	Mr. Vishal Verma				
Signature of Industry/Company Mentor					
Receiving Date	15/04/24	Name of Faculty Mentor	Dr. Vikash Shinde	Sign	