

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)



Report

on

Internship

An internship report submitted in partial fulfillment of the requirement of the degree of

BACHELOR OF TECHNOLOGY

in

INFORMATION TECHNOLOGY

Submitted By:

Rishita Dwivedi

0901IT181046

Internship – 160801

Faculty Mentor:

Dr. Pawan Dubey (IT department)

Submitted to:

DEPARTMENT OF INFORMATION TECHNOLOGY

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

GWALIOR – 474005

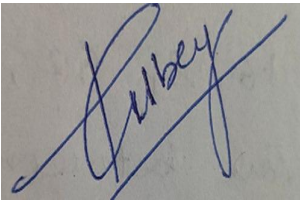
MAY-JUNE 2022

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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CERTIFICATE

This is certified that **Rishita Dwivedi (0901IT181046)** has submitted the internship report under the mentorship of **Dr. Pawan Dubey**, in partial fulfillment of the requirement for the award of degree of Bachelor of Technology in **Information Technology** from Madhav Institute of Technology and Science, Gwalior.



Dr. Pawan Dubey

Assistant Professor

Information Technology

Dr. Akhilesh Tiwari

Professor and Head,

Department of IT

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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DECLARATION

I hereby declare that the work being presented in this internship report, for the partial fulfillment of requirement for the award of the degree of Bachelor of Technology in Information Technology at Madhav Institute of Technology & Science, Gwalior is an authenticated and original record of my work under the mentorship of Dr. Pawan Dubey, Assistant Professor, Dept. of Information Technology.

I declare that I have not submitted the matter embodied in this report for the award of any degree or diploma anywhere else.

Date:27/05/2022

Place: Gwalior

Rishita Dwivedi

0901IT181046

IV Year,

Information Technology

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

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 (based on the AICTE Model Curriculum 2018), 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 Information Technology**, for allowing me to explore this internship. I humbly thank **Dr. Akhilesh Tiwari**, Professor and Head, Department of Information Technology, 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. Pawan Dubey**, Assistant Professor, Information Technology, for his continued support and guidance throughout the project. I am also very thankful to the faculty and staff of the department.

Rishita Dwivedi

0901IT181046

IV Year, Information Technology

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1. Introduction

1.1 Company Profile:

Company name: Persistent Systems



Persistent is a trusted Digital Engineering and Enterprise Modernization partner, combining deep technical expertise and industry experience to help our clients anticipate what's next and take action. Our offerings, proven solutions and innovative partner ecosystem create unique competitive advantages for our clients by giving them the power to see beyond and rise above.

Persistent works with many industry leading organizations across 18 countries - including 14 of the 30 most innovative US companies, 80% of the largest banks in the US and India, and numerous innovators across the healthcare ecosystem. In addition, they are recognized across the industry as the market leaders from delivery

and customer excellence, as rated by ISG (2020 and 2021 ISG Star of Excellence Awards).

At Persistent, our values are more than a list of ideals to improve our corporate image. We're dedicated to building an inclusive culture that reflects what's important to our employees and is based on what they value.

1.2 Purpose:

The purpose of this company is to:

- To define the technical & operational feasibility.
- To ensure that there are no misunderstanding or omissions in functionality.
- To ensure that requirements of the proposed system are complete and clear.
- To provide a basis for the subsequent design, development and testing phases of the entire application.

1.3 Objectives of Proposed Work:

Currently I am working as a SDE (Full stack) intern at Persistent Systems. I have completed my full stack training conducted by external industry training experts. Currently I am working on the project allocated to me. Various mini projects of the company have been assigned to us. Project assigned to me is a full stack project named "TechBlog" which is basically a server based website for arranging, managing and keeping the latest blogs of the company etc. I am working on this project and have almost completed the basic applications of the project.

Different Modules which are fixed during internship-

- OOPS
- SQL
- GIT for beginners
- Core JAVA
- Maven
- JAVASCRIPT
- HTML
- SPRING
- ANGULAR

2. Technical Description

2.1 System Analysis & Requirements:

The selection of hardware is very important in the existence and proper working of any software. When selecting hardware, the size and requirements are also important.

- Processor – Intel CORE i5 8th Gen

- RAM – 8.0 GB
- Hard Disk Drive – 1 TB

2.2 Software Requirements:

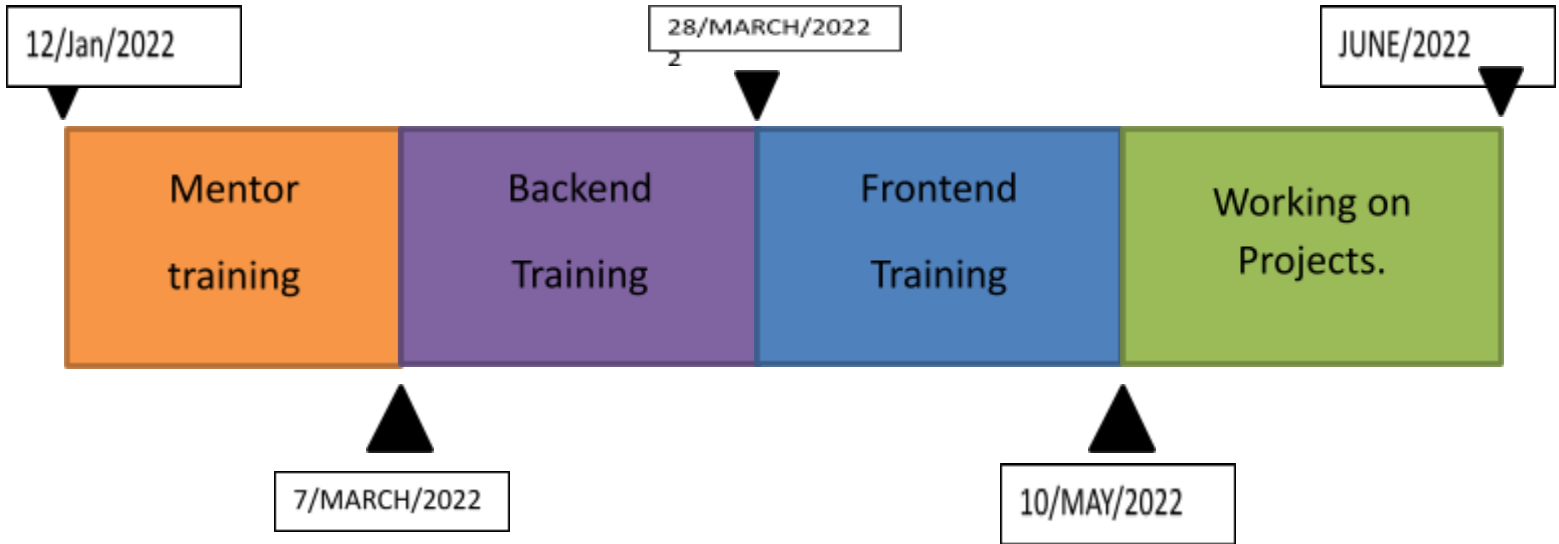
- **MongoDB**
- **NodeJS & NPM**
- **Express with Node.js**
- **VS Code**
- **Angular js**
- **Atom**
- **Javascript**
- **Bootstrap**
- **Robo 3T**
- **Hyper Terminal**

2.3 Technology Used:

- **MongoDB:** MongoDB is a source-available cross-platform document-oriented database program. Classified as a NoSQL database program, MongoDB uses JSON-like documents with optional schemas. MongoDB is developed by MongoDB Inc. and licensed under the Server Side Public License.
- **HTML** - The HyperText Markup Language or HTML is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets and scripting languages such as JavaScript

- **CSS** - Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language such as HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.
- **JavaScript** - JavaScript, often abbreviated JS, is a programming language that is one of the core technologies of the World Wide Web, alongside HTML and CSS. Over 97% of websites use JavaScript on the client side for web page behavior, often incorporating third-party libraries.
- **Angular JS** - AngularJS is a **structural framework for dynamic web apps**. With AngularJS, designers can use HTML as the template language and it allows for the extension of HTML's syntax to convey the application's components effortlessly. Angular makes much of the code you would otherwise have to write completely redundant.
- **Express with Node.js** - It is a modular web Framework for Node.js which is designed to develop complete web applications and APIs. A common task for a web server can be to open a file on server and return the content to client. Node eliminates the writing and simply continues with next request.
- Here we have used **EJS Partial**s which is a module which we have to install to use it to make templates. It is a type of view engine, view engines are useful for rendering web pages. It is a Simple Templating language which lets its user generate HTML with Plain Javascript.
- We have partials folder in which we have footer and header that is repeatedly used in every page. So we once put in partials and then every time we don't need to write whole code

3. Internship Timeline



4. Training

4.1 Mentor training:

- Till now I have completed courses OOPs ,SQL,GIT,HTML,JAVASCRIPT,CORE JAVA,ANGULAR,SPRING,MAVEN provided by our mentors through udemy and sessions provided by our mentors.

Under oops we studied-

- iterative development life cycle
- OOps concepts
- class diagram
- foundational keywords

Under Sql we studied-

- introduction to database systems
- introduction to SQL
- The select statement
- Functions
- combining data
- subqueries
- TCL and DCL statements
- other Database objects

Under Git we studied-

- Introduction and Installation of Git
- Working with local repository
- Git branching, merging and rebasing
- Working with GitHub

Under HTML we studied-

- Structure of a web page
- Forms
- CSS3 Basics
- Working with text, color, background and...
- Layout your webpages
- CSS3 Visual Formatting, Transformation a...
- HTML5 Data Storage
- HTML5 Webworkers

- HTML5 Geolocation

Under JAVAscript we studied-

- JavaScript Fundamentals
- Object Oriented Concepts
- HTML DOM
- Events
- AJAx

Under Core JAVA we studied-

- Introduction to Java
- Language Fundamentals
- Object Oriented Programming
- Fundamental Classes
- Class Packaging
- Exception Handling
- Object Lifetime
- Streams and Files (java.io)
- Collections & Map
- JDBC
- Multithreading
- Features of Java 8
- Junit

Under MAVEN we studied-

- Udemy Link
- Maven Introduction
- Installing Maven
- Core Concepts
- Project and Dependencies
- Custom Builds

Under Spring we studied-

- Spring Core Concepts
- Introduction to Spring Boot
- Spring Data Access
- Spring AOP
- Web Applications in Spring
- Transaction Management, Security, WebSoc...
- Spring Boot REST and JPA

- Devtools, Logging, Actuator, Security Ov...
- Udemy Link

Under Angular we studied-

- Udemy Link
- Introduction to Angular
- Modules and Components
- Events, Directives and Data Binding
- Dependency Injection
- Component Interaction
- HTTP Requests
- Forms and Validations
- Navigation and Routing
- Test, Build and Deploy

4.2 Backend Training:

(7/March/2022 – 28/March/2022)

Topics Covered Were

- Maven, JDBC
- Spring boot – Spring IOC, Autowiring, Scope and reading from application. properties, Introduction to Spring Boot, Spring Core with boot, Spring MVC, Spring Rest-API, Integrating Rest-API with mongoDB, Exception handling
- Spring Security using JWT
- MongoDB

4.3 Frontend Training:

(28/March/2022 – 12/April/2022)

- Learned HTML, CSS and JS
- Learned AngularJS

- Learned Advanced JavaScript

5. Project

TECHBLOG

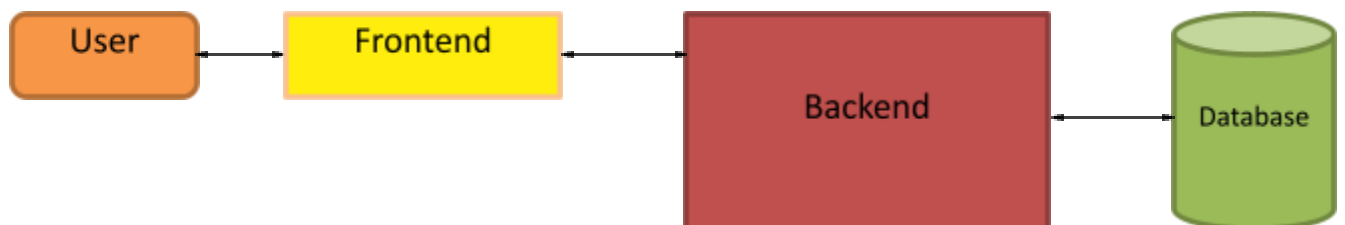
5.1 Problem Statement & Requirements

To develop a full stack website for blogging which have the following applications in it:

- **MongoDb Database:** It is a storage solution which utilizes multiple servers to store data in logical pools.
- Here we have used **EJS Partials** which is a module which we have to install to use it to make templates. It is a type of view engine, view engines are useful for rendering web pages. It is a Simple Templating language which lets its user generate HTML with Plain Javascript.
- We have partials folder in which we have footer and header that is repeatedly used in every page. So we once put in partials and then every time we don't need to write whole code
- **Layouts**-They are implemented using Headers and Footers.
- **Body Parser**-The usual way in which we tap into our post request data is through Body Parser.
- **Sync & Backup:** Data security, if you lose your data.

5.2 Development & Work Flow:

Every web application is well protected with the facility of Authentication and Authorization. It simply means the registration of a new user and login of an already existing user to take all benefits of the application.

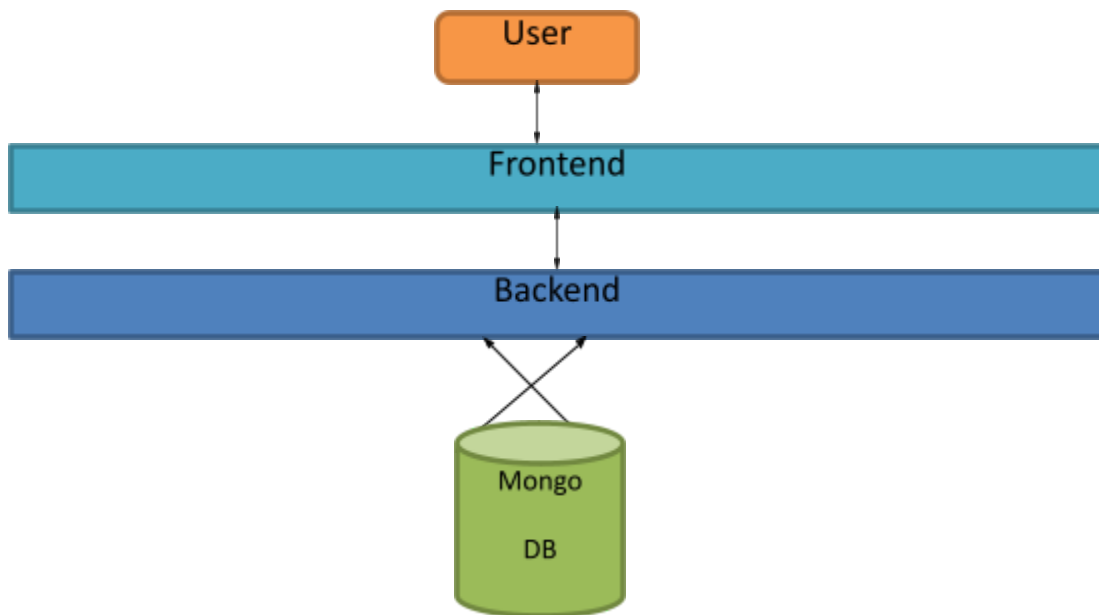


For achieving this we are using Express with Node.js in the backend which is fetching the data from a database which is designed to develop complete web applications and send our data from the web page to

our server and the post function is used to handle post requests for compose route .We used post requests to send back data to our server from webpage.

Blog System storage architecture:

Under this website we have a home page,contact us and about us page.In the home page we have all of our Blog posts,listed in sequence in chronological order.But when we will see the actual content,it will be truncated only upto 100 characters,As we will click on read more or the dots it will take us to the whole Blog Post.



Blog Managing with Robo3t in the Database

We have a hidden page,called Compose that allows us to give titles to our Blog and write Blog.

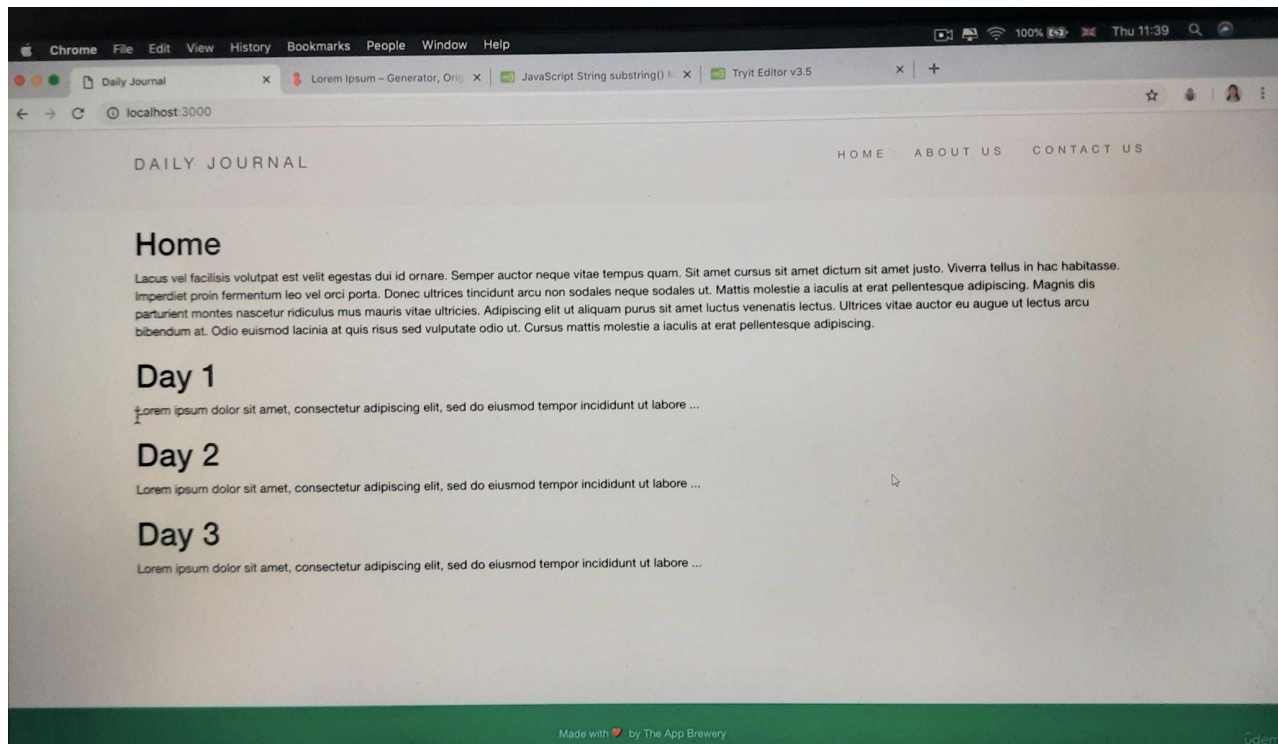
Backend-

Here we have used **EJS Partial**s which is a module which we have to install to use it to make templates.It is a type of view engine,view engines are useful for rendering web pages.It is a Simple Templating language which lets its user generate HTML with Plain Javascript.

We have partials folder in which we have footer and header that is repeatedly used in every page.So we once put in partials and then every time we don't need to write whole code

Part – 1 (frontend of a Blog System)

- Designing a Blog system,we have a header with a navbar brand.In bottom we have a sticky footer.
- In this website, we have only a home page,about us page and contact us page.
- We used Ejs Partials and on the home page we have all of our blog posts listed in chronological order.
- But when we see the actual content will be truncated only upto 100 characters.As we click on read more it will take us to whole blogpost.
- We have a hidden page called compose page that allow us to give title to our blog and write blog.
- With the help of EJS we are able to make simple pages,new web pages for each and every blog post that we make .
- Also used templating to achieve this.



Backend and database:

We integrated mongodb database with Node.js. For that we have two ways-

- ❖ One is to choose a mongodb native driver.
- ❖ To use ODM Mongoose.
- ❖ Out of these two we choose mongoose ,which gives us a simple straightforward Schema-based Solution to model our application data.
- ❖ It avoids long lines of Mongodb validation, casting and business logic. It allowed our Nodejs app which has language of javascript to be able to talk to mongodb database which speaks language of collections, documents and database to make code shorter and easier to work with.

Database

- ❖ First we created a new Schema or Blueprint or structure of data that we are going to save.
- ❖ After creating Schema we make a mongoose model then we make the document.
- ❖ We create a new mongoose model using schema to define your posts collection, then we create a new post document using our mongoose model.
- ❖ we need to find all the posts in the posts collection and render that in home.ejs file.
- ❖ We used free weight GUI for mongodb that is ROBO3T, it is a GUI with embedded shell, where we have to specify host and port of mongodb server. Host Can be IPV4 or IPV6 or domain name.
- ❖ If we want to see our data easily and quickly in a simple way , we can use a graphical user interface like ROBO3T, if we are not familiar with the command line.

Robo 3T - 1.1

mongo_atlas_3.4 (4)

- Replica Set (3 nodes)
 - clusterfree-shard-00-00-f...
 - clusterfree-shard-00-01-f...
 - clusterfree-shard-00-02-f...
- System
- db1
- db2
 - Collections (2)
 - Accounts
 - Bills**
 - Functions
 - Users

Welcome | db.getCollection('Bills').find({})

mongo_atlas_3.4 | clusterfree-shard-00-00-f8a5c.mongoddb.net:27017 | db2

```
1 db.getCollection('Bills').find({})
```

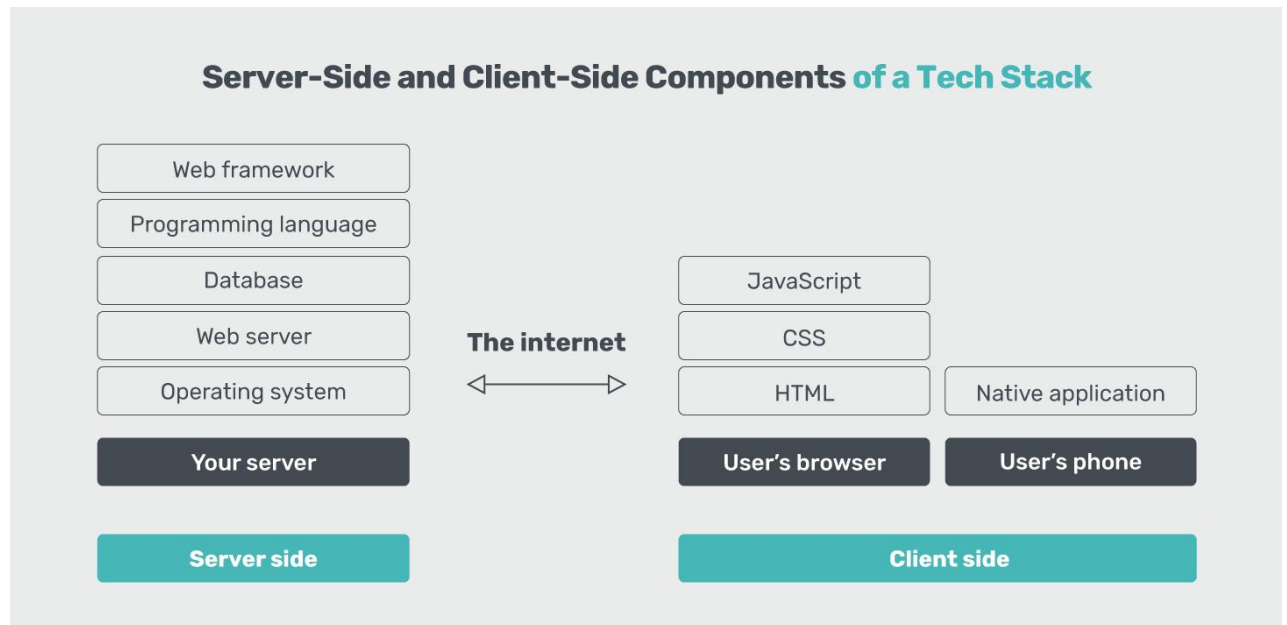
Bills | 0.131 sec. | 0 | 50

| Key | Value | Type |
|---------------------------------------|-----------------------------------|------------|
| (1) ObjectId("593972651efd2d98c2...") | { 2 fields } | Object |
| _id | ObjectId("593972651efd2d98c2...") | ObjectId |
| Jan | 9999999.499999999 | Decimal128 |
| (2) ObjectId("593972661efd2d98c2...") | { 2 fields } | Object |
| _id | ObjectId("593972661efd2d98c2...") | ObjectId |
| Feb | 1000000.55 | Decimal128 |
| (3) ObjectId("593972661efd2d98c2...") | { 2 fields } | Object |
| _id | ObjectId("593972661efd2d98c2...") | ObjectId |
| Mar | 9000000 | Decimal128 |
| (4) ObjectId("593972661efd2d98c2...") | { 2 fields } | Object |
| (5) ObjectId("593972661efd2d98c2...") | { 2 fields } | Object |
| (6) ObjectId("593972671efd2d98c2...") | { 2 fields } | Object |
| (7) ObjectId("593972671efd2d98c2...") | { 2 fields } | Object |
| (8) ObjectId("593972671efd2d98c2...") | { 2 fields } | Object |
| _id | ObjectId("593972671efd2d98c2...") | ObjectId |
| OpLimit | 1.4E+100 | Decimal128 |

Logs

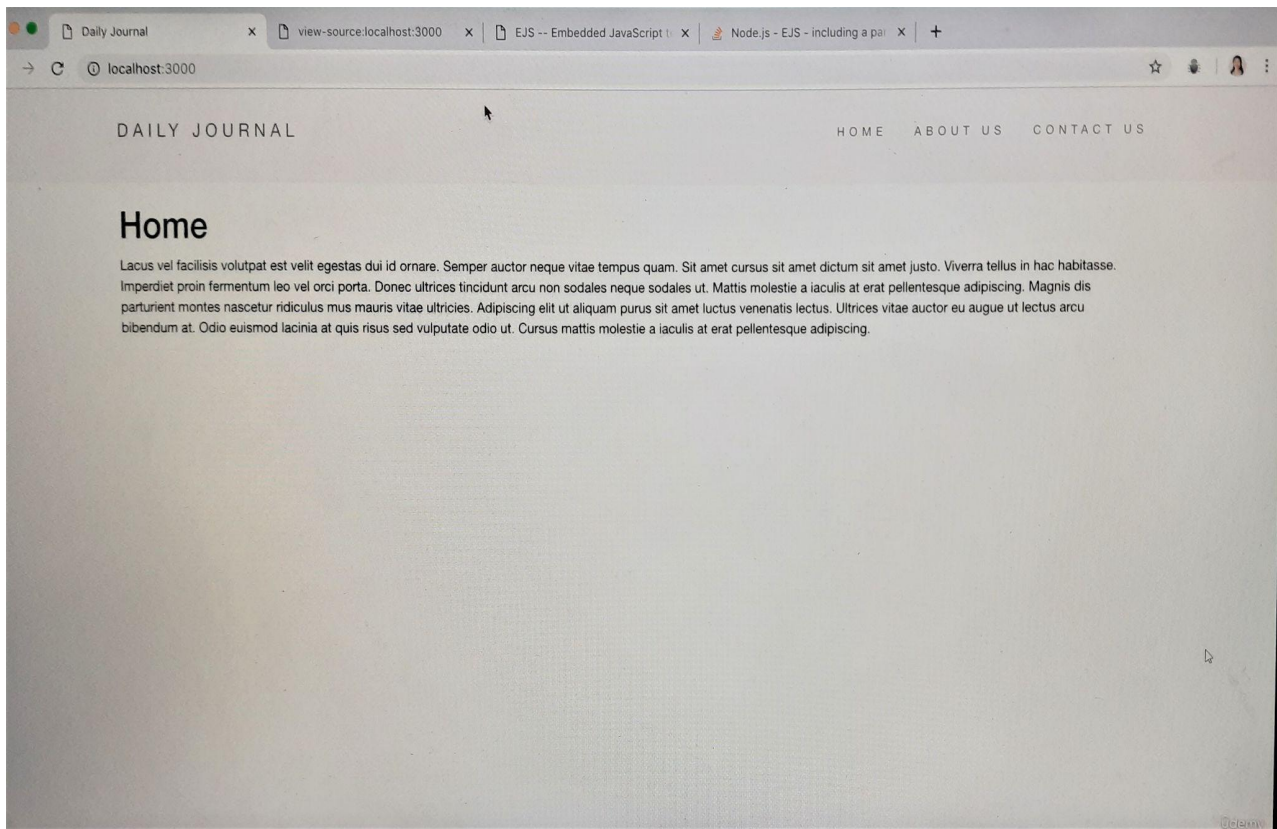
Tech Stack:

Server-Side and Client-Side Components of a Tech Stack



- For storing the data in the database, we are using MongoDB(Mongoose) which is a kind of NOSQL and Robo 3T(GUI for mongodb).
- In the backend architecture we are using Express.js with Node.js for generation of APIs and managing requests and responses. Backend is also used for connectivity with our database.
- For the frontend we are using Bootstrap which is a Css framework and for better experience we are using HTML, CSS and JavaScript-based design templates for forms, typography, navigation, buttons and other components.

5.3 Screenshots:



localhost:3000/posts/another-post

localhost - localhost:3000/posts/another-post

localhost:3000/posts/Another-post

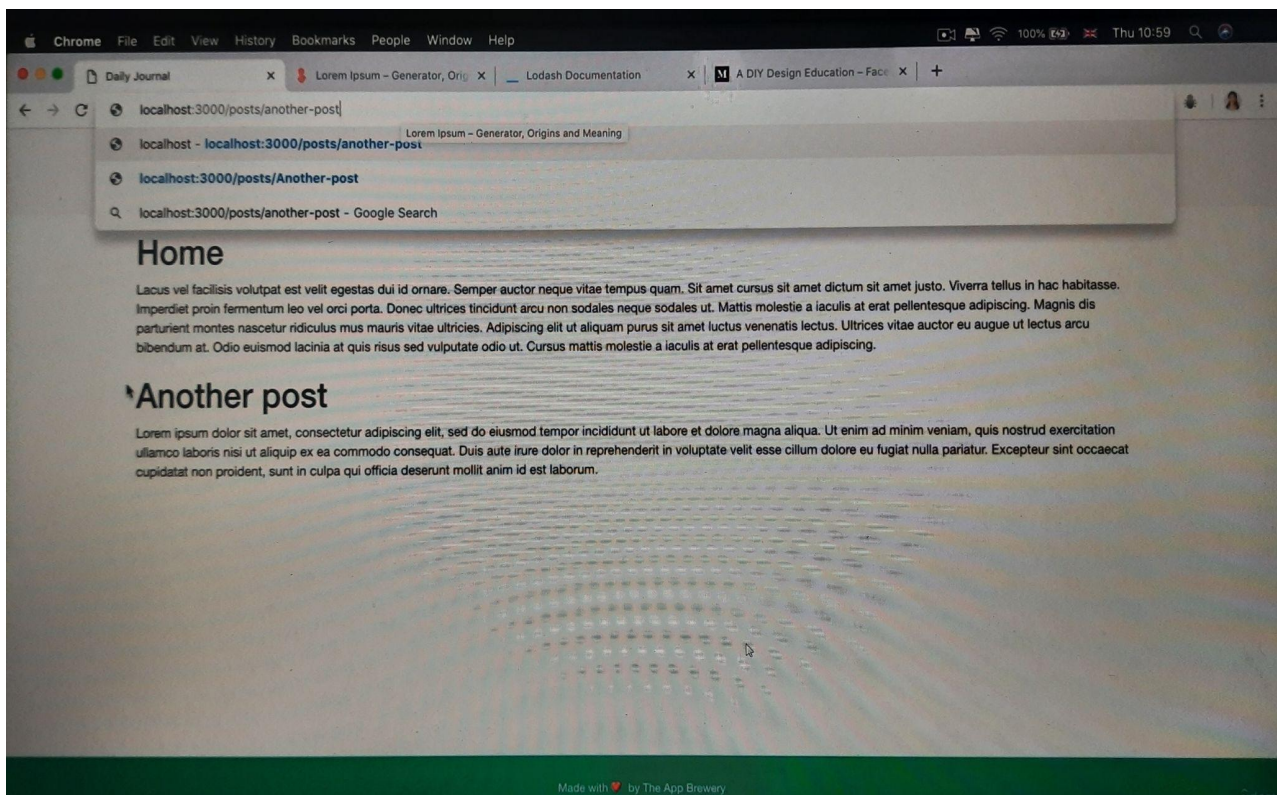
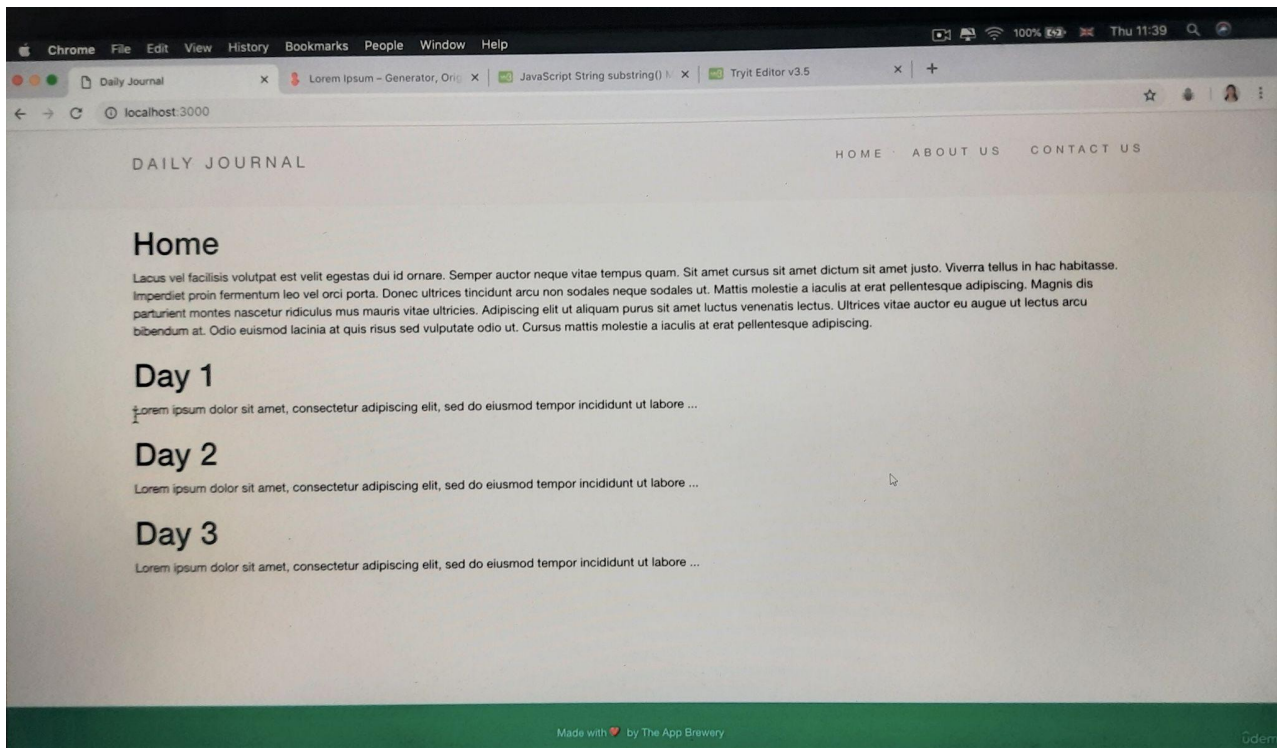
localhost:3000/posts/another-post - Google Search

Home

Lacus vel facilisis volutpat est velit egestas dui id ornare. Semper auctor neque vitae tempus quam. Sit amet cursus sit amet dictum sit amet justo. Viverra tellus in hac habitasse. Imperdiet proin fermentum leo vel orci porta. Donec ultrices tincidunt arcu non sodales neque sodales ut. Mattis molestie a iaculis at erat pellentesque adipiscing. Magnis dis parturient montes nascetur ridiculus mus mauris vitae ultricies. Adipiscing elit ut aliquam purus sit amet luctus venenatis lectus. Ultrices vitae auctor eu augue ut lectus arcu bibendum at. Odio euismod lacinia at quis risus sed vulputate odio ut. Cursus mattis molestie a iaculis at erat pellentesque adipiscing.

Another post

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Compose

Title

Day 2

Post

Publish

Code:

post.ejs — C:\Users\dwive\Desktop\BLOGG PROJECT\Blog-With-Database-final — Atom

File Edit View Selection Find Packages Help

Project

- Blog-With-Database-final
 - node_modules
 - public
 - css
 - styles.css
 - views
 - partials
 - footer.ejs
 - header.ejs
 - about.ejs
 - compose.ejs
 - contact.ejs
 - home.ejs
 - post.ejs
 - test.ejs
 - app.js
 - package-lock.json
 - package.json

```
1
2 <%- include("partials/header"); -%>
3
4
5 <h1><%=title%></h1>
6 <p><%=content%></p>
7
8
9
10 <%- include("partials/footer"); -%>
11
```

views/post.ejs 0 0 0 0 1:1

LF UTF-8 EJS GitHub Git (0) 23:20 26-05-2022

Type here to search

test.ejs — C:\Users\dwive\Desktop\BLOGG PROJECT\Blog-With-Database-final — Atom

File Edit View Selection Find Packages Help

Project

- Blog-With-Database-final
 - node_modules
 - public
 - css
 - styles.css
 - views
 - partials
 - footer.ejs
 - header.ejs
 - about.ejs
 - compose.ejs
 - contact.ejs
 - home.ejs
 - post.ejs
 - test.ejs
 - app.js
 - package-lock.json
 - package.json

```
1 <%- include("partials/header"); -%>
2 <h1>Home</h1>
3 <p> <%= startingContent %> </p>
4
5
6 <% posts.forEach(function(post){ %>
7
8 <h1><%=post.title%></h1>
9 <p>
10 <%=post.content.substring(0, 100) + " ..." %>
11 <a href="/posts/<%=post.title%>">Read More</a>
12 </p>
13
14
15 <% } %>
16
```

views/test.ejs 0 0 0 0 1:1

LF UTF-8 23:20 26-05-2022

Type here to search

7 of 24 - Clipboard
Item not Collected: Delete items
to increase available space

```
app.js — C:\Users\dwive\Desktop\BLOGG PROJECT\Blog-With-Database-final — Atom
File Edit View Selection Find Packages Help

Project
  Blog-With-Database-final
    node_modules
    public
    views
    app.js
    package-lock.json
    package.json

app.js
1 //jshint esversion:6
2
3 const express = require("express");
4 const bodyParser = require("body-parser");
5 const ejs = require("ejs");
6 const mongoose = require("mongoose");
7
8 const homeStartingContent = "Lacus vel facilisis volutpat est velit egestas dui id ornare. Semper auctor neque vitae tempus quam. Sit amet cursus sit an
9 luctus venenatis lectus. Ultrices vitae auctor eu augue ut lectus arcu bibendum at. Odio euismod lacinia at quis risus sed vulputate odio ut. Cursus mat
10 const aboutContent = "Hac habitasse platea dictumst vestibulum rhoncus est pellentesque. Dictumst vestibulum rhoncus est pellentesque elit ullamcorper.
11 vitae. Mauris ultrices eros in cursus turpis massa tincidunt dui.";
12 const contactContent = "scelerisque eleifend donec pretium vulputate sapien. Rhoncus urna neque viverra justo nec ultrices. Arcu dui vivamus arcu felis
13 neque. Ultrices gravida dictum fusce ut placerat orci nulla. Mauris in aliquam sem fringilla ut morbi tincidunt. Tortor posuere ac ut consequat semper v
14
15 const app = express();
16
17 app.set('view engine', 'ejs');
18
19 app.use(bodyParser.urlencoded({extended: true}));
20 app.use(express.static("public"));
21
22 mongoose.connect("mongodb://localhost:27017/blogDB", {useNewUrlParser: true});
23
24 const postSchema = {
25   title: String,
26   content: String
27 };
28
29 const Post = mongoose.model("Post", postSchema);
30
31 app.get("/", function(req, res){
32
33   Post.find({}, function(err, posts){
34     res.render("home", {
35
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```

header.ejs — C:\Users\dwive\Desktop\BLOGG PROJECT\Blog-With-Database-final — Atom

File Edit View Selection Find Packages Help

Project

- Blog-With-Database-final
 - node_modules
 - public
 - css
 - styles.css
 - views
 - partials
 - header.ejs
 - about.ejs
 - compose.ejs
 - contact.ejs
 - home.ejs
 - post.ejs
 - test.ejs
 - app.js
 - package-lock.json
 - package.json

```
1 <!DOCTYPE html>
2 <html lang="en" dir="ltr">
3
4 <head>
5 <meta charset="utf-8">
6 <title>Daily Journal</title>
7 <meta charset="utf-8">
8 <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
9 <link rel="stylesheet" href="/css/styles.css">
10 <nav class="navbar navbar-default">
11 <div class="container">
12 <div class="navbar-header">
13 <p class="navbar-brand">DAILY JOURNAL</p>
14 </div>
15 <ul class="nav navbar-nav navbar-right">
16 <li id="home"><a href="/">HOME</a></li>
17 <li id="about"><a href="/about">ABOUT US</a></li>
18 <li id="contact"><a href="/contact">CONTACT US</a></li>
19 </ul>
20 </div>
21 </nav>
22
23 <body>
24 <div class="container">
25
```

views/partials/header.ejs 0 0 0 0 1:1

LF UTF-8 HTML GitHub Git (0)

Type here to search

23:20 26-05-2022

Atom editor window titled "footer.ejs" showing the code for the footer partial. The file explorer on the left shows the project structure with "views/partials/footer.ejs" selected. The code in the editor is:

```
1 </div>
2 <div class="footer-padding"></div>
3 <div class="footer">
4   <p>Made with ❤️ by The App Brewery</p>
5 </div>
6 </div>
7 </body>
8 </html>
```

A notification in the bottom right corner reads: "7 of 24 - Clipboard Item not Collected: Delete items to increase available space". The Windows taskbar at the bottom shows the search bar and system tray with the date 26-05-2022.

Atom editor window titled "compose.ejs" showing the code for the compose form partial. The file explorer on the left shows the project structure with "views/partials/compose.ejs" selected. The code in the editor is:

```
1 <%- include("partials/header"); -%>
2 <h1>Compose</h1>
3 <form class="" action="/compose" method="post">
4   <div class="form-group">
5     <label>Title</label>
6     <input class="form-control" type="text" name="postTitle">
7     <label>Post</label>
8     <textarea class="form-control" name="postBody" rows="5" cols="30"></textarea>
9   </div>
10   <button class="btn btn-primary" type="submit" name="button">Publish</button>
11 </form>
12 <%- include("partials/footer"); -%>
```

The Windows taskbar at the bottom shows the search bar and system tray with the date 26-05-2022.

6. Conclusion

I am successfully completing my training and also worked on a mini company project. I was successfully able to learn full stack development and implement it. I was successfully able to complete the project on which we worked on frontend, backend and database. We were able to work in a team which taught us the lesson of professionalism . And also we are on the path of learning more new technologies of full stack in the remaining period of internship. Finally, we hope this will go a long way in popularizing.

7. References & bibliography

- **Wikipedia**
- Udemy link(Free for persistent interns)
- <https://www.udemy.com/course/the-complete-web-development-bootcamp/>
- google.com
- <https://material.angular.io/>
- <https://www.w3schools.com/js/>
- <https://www.youtube.com/>
- <https://github.com/>
- <https://persistentpro.e-box.co.in/participant/home>

8. FPR Reports

MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV,
Bhopal)

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

| | | | | | |
|--|---|----------------|-------------------|------------------|------------------|
| Name of student | Rishita Dwivedi | Department | IT | | |
| Industry/Organization | Persistent Systems | Date/Duration | 12 jan - 14 march | | |
| Criterion | Poor | Average | Good | Very Good | Excellent |
| Punctuality/Timely completion of assigned work | | | | | ✓ |
| Learning capacity/Knowledge upgradation | | | ✓ | | |
| Performance/Quality of work | | | | | ✓ |
| Behavior/Discipline/Teamwork | | | | ✓ | |
| Sincerity/Hard work | | | | | ✓ |
| Comment on nature of work done/Area/Topic | Previous assessment score-78%(Cleared) Topics Covered-OOps,git,sql,core java,Maven,Spring(Currently studing) | | | | |
| <u>OVERALL GRADE (Any one)</u> | <u>POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT</u> | | | | |
| <u>Name of Industry Mentor</u> | Payal Batham | | | | |
| <u>Signature of Industry Mentor</u> | <i>Payal Batham</i> | | | | |

**MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE,
GWALIOR**

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV,
Bhopal)

**FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY
MENTOR**

| | | | | | |
|--|--|----------------|---------------------|------------------|------------------|
| Name of student | Rishita Dwivedi | Department | IT | | |
| Industry/Organization | Persistent Systems | Date/Duration | 14T march - 7 April | | |
| Criterion | Poor | Average | Good | Very Good | Excellent |
| Punctuality/Timely completion of assigned work | | | | | ✓ |
| Learning capacity/Knowledge upgradation | | ✓ | | | |
| Performance/Quality of work | | | | ✓ | |
| Behavior/Discipline/Teamwork | | | | | ✓ |
| Sincerity/Hard work | | | | ✓ | |
| Comment on nature of work done/Area/Topic | Previous assessment score-86%(Cleared) Topics Covered-OOps,git,sql,core java,Maven,Spring,Javascript,html,angular | | | | |
| <u>OVERALL GRADE (Any one)</u> | <u>POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT</u> | | | | |
| <u>Name of Industry Mentor</u> | Payal Batham | | | | |
| <u>Signature of Industry Mentor</u> | <i>Payal Batham</i> | | | | |

**MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE,
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Bhopal)

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

| | | | | | |
|--|--|----------------|----------------|------------------|------------------|
| Name of student | Rishita Dwivedi | Department | IT | | |
| Industry/Organization | Persistent Systems | Date/Duration | 7 April - 7may | | |
| Criterion | Poor | Average | Good | Very Good | Excellent |
| Punctuality/Timely completion of assigned work | | | | | ✓ |
| Learning capacity/Knowledge upgradation | | ✓ | | | |
| Performance/Quality of work | | | | ✓ | |
| Behavior/Discipline/Teamwork | | | | | ✓ |
| Sincerity/Hard work | | | | ✓ | |
| Comment on nature of work done/Area/Topic | Previous assessment score-98%(Cleared) Topics Covered-OOps,git,sql,core java,Maven,Spring,Javascript,html,angular | | | | |
| <u>OVERALL GRADE (Any one)</u> | <u>POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT</u> | | | | |
| <u>Name of Industry Mentor</u> | Payal Batham | | | | |
| <u>Signature of Industry Mentor</u> | <i>Payal Batham</i> | | | | |

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|-----------------------|--|-------------------------------|-----------------|-------------|--|
| Receiving Date | | Name of Faculty Mentor | Dr. Pawan Dubey | Sign | |
|-----------------------|--|-------------------------------|-----------------|-------------|--|

**MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE,
GWALIOR**

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV,
Bhopal)

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

| | | | | | |
|--|--|----------------|---------------|------------------|------------------|
| Name of student | Rishita Dwivedi | Department | IT | | |
| Industry/Organization | Persistent Systems | Date/Duration | 7may - 25 may | | |
| Criterion | Poor | Average | Good | Very Good | Excellent |
| Punctuality/Timely completion of assigned work | | | | | ✓ |
| Learning capacity/Knowledge upgradation | | ✓ | | | |
| Performance/Quality of work | | | | ✓ | |
| Behavior/Discipline/Teamwork | | | | | ✓ |
| Sincerity/Hard work | | | | ✓ | |
| Comment on nature of work done/Area/Topic | Previous assessment score-98%(Cleared) Topics Covered-OOps,git,sql,core java,Maven,Spring,Javascript,html,angular | | | | |
| <u>OVERALL GRADE (Any one)</u> | <u>POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT</u> | | | | |
| <u>Name of Industry Mentor</u> | Payal Batham | | | | |
| <u>Signature of Industry Mentor</u> | <i>Payal Batham</i> | | | | |

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|-----------------------|--|-------------------------------|-----------------|-------------|--|
| Receiving Date | | Name of Faculty Mentor | Dr. Pawan Dubey | Sign | |
|-----------------------|--|-------------------------------|-----------------|-------------|--|

9. Internship Certificate

PSL/HR/Cert-Add/2022
May 20, 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Rishita Dwivedi** (Employee Code **46912**) is employed with us since **12 January 2022**. Her designation is **Intern**.

According to the office records, her local and permanent addresses are :

Local Address

ward no.7,House no. 294,Village Dwari,
District Panna, Near Jain Mandir,Panna,
Panna - 488001
Madhya Pradesh - India

Permanent Address

ward no.7,House no. 294,Village Dwari,
District Panna, Near Jain Mandir,Panna,
Panna - 488001
Madhya Pradesh - India

This certificate is being issued on her request as a proof of employment and residence For verification purpose

For Persistent Systems Ltd.



Manisha Tapaswi
Senior General Manager - Human Resources