

Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY

(An Autonomous Institute, Affiliated to Visvesvaraya Technological University, Belagavi, Accredited by NAAC, with 'A' Grade)

Near Jnana Bharathi Campus, Bengaluru – 560056



INTERNSHIP REPORT **On** **“ FRONTEND WEB DEVELOPMENT ”**

Submitted in partial fulfilment of the requirement for the award of the Degree of

Bachelor of Engineering
In
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Submitted by

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1DA22CS417

Under the Guidance of

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING,
2023-24

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Certificate

Certified that the Internship Program Entitled “**FRONTEND WEB DEVELOPMENT**”, carried out by **MOHAN RAJ R** bearing **1DA22CS417** bonafide student of Dr. Ambedkar Institute of Technology, Bengaluru – 560056 in partial fulfilment for the award of **Degree in Bachelor of Engineering** in **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING** of Dr. Ambedkar Institute of Technology during the academic year 2022-23.

Signature of the Mentor

Shwethasree R

Mentor,
Dr.AIT, Bengaluru – 56.

Signature of the HOD

Dr.Siddaraju, Professor and
HEAD,Department of CSE,
Dr.AIT, Bengaluru – 56.

ACKNOWLEDGEMENT

The satisfaction that accompanies this internship would be incomplete without the mention of the people who made it possible. Without their constant guidance and encouragement, our efforts would have gone in vain.

I consider myself privileged to express my gratitude and respect towards all those who guided me through the internship, especially **Mohan Raj R.**

I would like to express our gratitude to **Dr. C. Nanjundaswamy, Principal, Dr. A.I.T**, for providing the congenial environment to work in.

I would also like to express our profuse gratitude to **Dr. Siddaraju, HOD of the Dept. of Computer Science & Engineering at Dr. AIT**, for giving the support, encouragement, and providing the required facilities necessary for the completion of this internship.

As a token of gratitude, I acknowledge our sincere gratefulness to the internal guide, **Shwethasree R, Assistant Professor in the Dept. of CSE at Dr. AIT**, for her unlimited support and encouragement provided throughout the process.

I also express our gratitude and sincere thanks to all the teaching and non-teaching staff of the **Computer Science & Engineering Department.**

Finally, yet importantly, I would like to express our heartfelt thanks to my beloved parents for their blessings and my friends for their help and wishes for the successful completion of this education-oriented internship on creating a product website.

MOHAN RAJ R

1DA22CS417

ABSTRACT

I am delighted to present this internship report, which documents comprehensive exploration of college management system. This endeavour has allowed me to delve into the realm of the concept of 'Frontend Web Development', where I leveraged HTML, CSS and JavaScript. This report elaborates on the concepts that I learnt through my internship, the technical intricates of the project. It also reflects on the knowledge and skills I acquired throughout this exciting journey. I am grateful for the opportunity provided by Mevi Technologies LLP, which has been instrumental in shaping this project. I wish to express my sincere appreciation to several individuals who played pivotal roles on the realization of this project Siddappagari Basavaraju and Pratham Vedavathi, Designated Partner. I acknowledge their effective guidance and conducive environment they provided for this internship. My internship teammates, family and friends for their constant support, encouragement, and belief in my abilities throughout this journey. These contributions, support and guidance from these individuals have been indispensable and I am deeply appreciative of their assistance throughout this internship.

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INTRODUCTION

1.1 INTERNSHIP & ITS IMPORTANCE:

Internships are formal programs designed to provide practical experience in real world environment to students who are new to field. Internships help to build competent resume by giving students visible work experience Although colleges and universities assists students in finding the right Internship programs, it is the responsibility of the would-be interns to carefully examine internship programs and see if those programs actually offer the training they need.

Internships are generally thought of to be reserved for college students looking to gain experience in a particular field. However, a wide array of people can benefit from Training Internships in order to receive real world experience and develop their skills. An objective for this position should emphasize the skills you already possess in the area and your interest in learning more. Internships are utilized in a number of different career fields, including architecture, engineering, healthcare, economics, advertising and many more. Utilizing internships is a great way to build your resume and develop skills that can be emphasized in your resume for future jobs.

The hands-on work experience interns receive is invaluable and cannot be obtained in a classroom setting. making this one of the most important benefits of internships. Interns have the opportunity to apply acquired knowledge to real work experiences, witnessing first-hand the day-to-day job duties they can expect to encounter in their chosen field. In addition to learning the specialized skills of a particular field, transferable skills such as communication, teamwork, and computer proficiency are also obtained in an internship, fully preparing interns to enter the workforce upon graduation.

1.2 OBJECTIVES:

The major objectives of internships are:

- To provide students with opportunity to develop skills in the field of interest.
- To assist students in gaining vital work-related experience and building strong resume for bright career.
- Develop research skills.
- One of the main objectives of an internship is to expose you to a particular job and a profession or industry.
- Develop and improve business skills in communication, technology, quantitative reasoning, and teamwork.
- To get educated about the official habitat.
- To get awareness about the various job opportunities.
- perceive communicational skills and organizational dynamics.
- To get more knowledge about outside.
- To handle situations in real life.
- Working with team members to solve a problem which leads to good quality of communication and teamwork.

1.3 PERIOD OF TRAINING:

The Internship period was of 1 Month from 12 October 2023 to 12 November 2023

COMPANY PROFILE

“Mevi Technologies LLP.” is started in the year 2022 in Tumakuru. From Owner: We are energetic and innovative engineers having hands-on experience in the IT industry. All of us came after gaining insights of the IT industry we came to know that industrial training is very much needed for all students and we came up with our start-up to help students and IT professionals for upgrading their skills and knowledge to secure a career in their dream companies.

Also, we develop innovative and creative products and services for all your needs. Everything we do and believe is to leverage the lives of people through technology. We provide simple yet effective IT solutions, Full-filling all the needs of your business Our customers get exactly what they want in a more economical, creative, and convenient way just by communicating with our engineers and directly controlling the project as if they are in the same room.

Vision:

In the world of developing technologies, we aim to make people's lives better and more comforting by providing more economical, advanced, sustainable, and practical software services.

Mission:

Committed to making your ideas into products. Providing IT solutions in a more economical and productive manner, Providing the best training for a better future

TRAINING AND MENTORSHIP

In the real of Frontend web development with HTML, CSS, Bootstrap and JavaScript, training and mentorship play pivotal roles in steering the success of our projects. The intricate nature of frontend development necessitates a team equipped with the latest skills and knowledge in leveraging these technologies for seamless user experiences.

Central to our training initiatives was the cultivation of a deep understanding of HTML, CSS and JavaScript, ensuring our team members were well-versed in the intricacies of these frameworks. Collaborating closely with our development teams, we delved into the nuances of programming languages and frameworks underpinning our applications, enabling us to design and implement specialized training programs tailored to the needs of our projects.

Furthermore, we placed significant emphasis on continuous learning and growth, encouraging our team members to stay abreast of emerging trends and best practices in web development. Through regular training sessions, workshops, and opportunities to engage with industry conferences, we fostered an environment conducive to ongoing skill enhancement and professional development.

Additionally, we developed a robust incident response plan to swiftly address any challenges or issues that arose during development. This plan outlined clear protocols for identifying and resolving issues, ensuring effective communication and coordination between our team members and stakeholders.

In summary, our training and mentorship initiatives were integral to the success of our web development projects. By equipping our team with the necessary skills and knowledge and fostering a culture of collaboration and continuous learning, we ensured the successful execution of our projects and the delivery of high-quality web applications.

TOPICS LEARNED

1. HTML

- Basic HTML (Tags, Element, Attributes, Paragraphs, Headings, Line Breaks, Horizontal Rule, Lists, Table, Color Codes, Font, Text Linking, Email, Images, Background, Comments, Meta, Media, Charset)
- Basic concept (WWW & HTTP, HTTPS, Client Server Communication)
- HTML Forms (Input, Text Fields, Password, Checkbox, Combo Box, Radio, Text Areas, Files, Buttons)
- HTML5 features

2. CSS

- Basic CSS (selector, internal, external, Inline, Class, Id, Background, font, Text, Padding, Margin, Border, list CSS, hovering and elements)
- Advance CSS (border-radius, opacity, cursor, layers, position, display, float, gradient, and multiple-column)
- Concept of Menus (single menu, dropdown menu)
- Template, design using CSS div. 4.2.3 Bootstrap
- Environment Setup
- Tables, Forms, Buttons, Images
- Bootstrap plug-ins (Transition, Modal, Drop down, Tab, Tool tip, Alert, Button)

3. Bootstrap

- Bootstrap is the most popular HTML, CSS and JavaScript framework for developing responsive, mobile-first websites.
- Bootstrap is completely free to download and use.

PROJECT WORK

Internship was about web development in technologies like HTML, CSS and JavaScript. We Learned all the basic and necessary concepts required for the given tasks in web development for developing website.

The task was assigned in a group of 4 members. The given task was to develop a website for "TRAVEL WEBSITE". This website was nothing, but the simple page for viewing hotel rooms, facilities and reserving a hotel room if they like the hotel. The webpage was made up of different modules and sub modules.

MODULES DESCRIPTION:

Module 1: Home Page

This module contains the main information regarding "Travel Website" and different modules providing access to different information.

Module 2: Login/Register Page

This module contains login and registration of the user.

Module 3: Booking Page

This module deals with booking for the respective places.

Module 4: Tourist places Module

This module contains the photos and some other information.

SNAPSHOTS:



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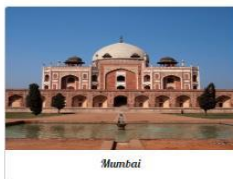


Sapta Sagaradache Elo..

Your journey Begins!!



Popular Destinations



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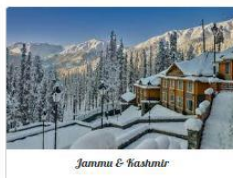
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About us

"Welcome to our travel haven! At Namma MRP Travels, we live and breathe exploration. Our passion? Uniting wanderers with remarkable destinations. With a treasure trove of experiences, we craft journeys that linger in your memories. Our team, seasoned voyagers themselves, handpick destinations and accommodations to ensure your adventure exceeds expectations. Whether it's a serene beach escape, an urban escapade, or an off-the-grid expedition, we're your compass. Discover with us and let each journey become a cherished tale. Begin your odyssey today with Namma MRP Travels!"



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REFLECTIONS

Undertaking the development of a frontend Web Development proved to be a rewarding yet challenging journey. This project has provided invaluable insights into various aspects of website development and collaborative teamwork. The reflections encapsulate the key takeaways from this enriching experience:

1. Holistic Learning Experience:

Engaging in the project demanded a comprehensive understanding of website development, and user interface design. The amalgamation of HTML, CSS, and JavaScript presented a holistic learning experience that stretched my technical capabilities.

2. Challenges as Opportunities:

Every challenge encountered during the project became an opportunity for growth. Overcoming problems, errors and ensuring consistency in frontend development were pivotal moments that strengthened problem-solving skills.

3. Team Collaboration and Communication:

The importance of effective team collaboration and communication became evident throughout the project. Establishing a culture of open communication facilitated the alignment of diverse skills and perspectives within the development teams, fostering a collaborative environment.

4. User-Centric Design:

Emphasizing UI/UX design principles underscored the significance of user-centric development. Iterative feedback sessions and usability testing helped refine the system, ensuring it met the specific needs of end-users in the college management context.

5. Importance of Rigorous Testing:

The project reinforced the importance of rigorous testing, both automated and manual, to identify and resolve bugs promptly. A systematic approach to debugging and troubleshooting contributed significantly to the overall stability and reliability of the system.

6. Project Management and Time Allocation:

Managing the development phases required effective project management and time allocation. Prioritizing tasks, setting milestones, and ensuring regular progress updates were crucial aspects that contributed to the successful completion of the project.

7. Future Directions and Continuous Improvement:

The reflections on this project extend beyond its completion. Recognizing the continuous evolution of technology, there is a commitment to staying informed, embracing new challenges, and implementing lessons learned in future projects. The journey does not end here but serves as a stepping stone for continuous improvement and growth.

CERTIFICATE



INTERN ID
MV1023FWDB1018

CERTIFICATE OF COMPLETION

THIS CERTIFICATE IS AWARDED TO

Mohan Raj R

(1DA22CS417)

pursuing Bachelor of Engineering at **Dr. Ambedkar Institute Of Technology**, has
successfully completed the offline internship on

"Frontend Web Development" at

Mevi Technologies LLP, Bangalore, from **October 12th to November 12th , 2023.**



REGISTERED

Vedavathi P

DIRECTOR
MEVI TECHNOLOGIES LLP



CONCLUSION

This internship has been an excellent and rewarding experience. I can conclude that there have been a lot I've learnt from my work at the research centre. The technical aspects of the work I've done are not flawless and could be improved provided enough time. As someone with no prior experience in JavaScript whatsoever I believe my time spent in research and discovering new languages was well worth it and contributed to finding an acceptable solution to an important aspect of web design and development. Two main things that I've learned are the importance of time-management skills and self- motivation.

HTML and CSS are one of the best front-end web development languages that can be used for developing various websites and web applications. They are easier and more efficient to use. Once the on- boarding and training phase wraps up, the new staff member should be ready to engage in a rewarding long-lasting career. The full cycle recruiting process can indeed be a grueling experience for all parties involved. But, will the addition of a new, reliable employee for the firm, it is also a much needed and appreciated part of nurturing a successful business.

Even for owners of small enterprises, for peace of mind in hiring the best candidate for a job, following the steps of the recruitment life cycle is well worth the time and effort and is a proven method of reducing turnovers within a company, saving both time and money in the long run.

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Bootstrap Official Site:

<https://getbootstrap.com/>