

AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

AVADI – I.A.F., MUTHAPUDUPET, CHENNAI-600055



SUMMER INTERNSHIP REPORT

NAME	: MOHAMED ASLAM H
REGISTER NO	: 110121104044
DEGREE	: B.E
BRANCH	: COMPUTER SCIENCE & ENGINEERING
YEAR	: IV
SEMESTER	: 07



AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

Approved by All India Council for Technical Education - New Delhi, Affiliated to Anna University, Chennai
NAAC Accredited Institution

"Nizara Educational Campus", Muthapudupet, Avadi - IAF, Chennai - 600 055.

ANNA UNIVERSITY COUNSELLING CODE : 1101

NBA ACCREDITED COURSES (Mech Engg, ECE, CSE & IT)



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Bonafide Certificate

Summer Internship

Register No: **110121104044**

This is to certify that **MOHAMED ASLAM H**, a student of IV Year, Seventh Semester, **B.E – Computer Science and Engineering**, has successfully completed the **Summer Internship** Report titled “**FULL STACK DEVELOPMENT**” during the academic year 2024-2025.

Faculty In charge

Head of the Department

COMPUTER SCIENCE & ENGINEERING

VISION OF THE DEPARTMENT

To produce eminent Software Engineers through teaching state-of-art programming paradigms and Emerging Technologies with Professional Ethics.

MISSION OF THE DEPARTMENT

M1: To up-skill the graduates, Self-blended learning model-based teaching methodologies were adopted.

M2: To develop, High degree of creativity and Problem-solving Skills, Multidisciplinary research activities were focused

M3: To create knowledge about Intellectual Property Rights, Digital and Cyber Ethics through Continual Learning.

M4: To support, Entrepreneurial aspirants throughout the journey.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PROGRAMME OUTCOMES (POs)

PO1- Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2 - Problem analysis: Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3 - Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4 - Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data,

and synthesis of the information to provide valid conclusions.

PO5 - Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

PO6 - The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7 - Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8- Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9 - Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

P10 - Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

P11 - Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

P12 - Life-long learning: Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

COMPUTER SCIENCE & ENGINEERING

PROGRAMME EDUCATIONAL OBJECTIVES

Graduates will be able to

PEO1 - Graduates apply knowledge in varied areas of Higher Education, Research, Design and Development and Industry specific to course work.

PEO2 - Graduates excel in Programming and Soft Skills along with Project Management Capabilities.

PEO3 - Graduates to deal with contemporary issues through Continual Learning and enhance Career Advancement.

PEO4 - Graduates practice Professional Ethics for good working ambience.

PROGRAM SPECIFIC OUTCOMES

To ensure graduates

PSO1 - To analyse design and develop computing solutions by applying foundational concepts of Computer Science and Engineering

PSO2 - To apply software engineering principles and innovative practices for developing quality software for scientific and business applications problems

Internship Certificate:



Acknowledgement:

I would like to express my sincere gratitude to **Upskill Campus in Uni Converge Technologies** for providing me with the opportunity to intern as a **Full Stack Development** at their esteemed organization. This internship has been an invaluable learning experience, allowing me to gain practical knowledge and hands-on exposure in the field of **Full Stack Development**.

A special thanks to my mentor, Mrs. Shivangi, whose guidance, support, and constructive feedback played a crucial role in my learning process. Their expertise and willingness to share knowledge helped me understand various aspects of **front-end and back-end development, UI/UX design, and web optimization techniques**.

Lastly, I am thankful to my academic institution, **Aalim Muhammed Salegh College of Engineering** and my professors for their support in facilitating this internship. The knowledge I have gained through this experience has strengthened my technical skills and prepared me for future challenges in the **Full Stack Development industry**.

This internship at **Upskill Campus in Uni Converge Technologies** has been a stepping stone in my career, and I am truly grateful for this enriching opportunity.

Company Background

Uni Converge Technologies is a certified and recognized software services provider committed to delivering innovative and high-quality solutions tailored to meet the unique needs of businesses and individuals. The company offers a comprehensive suite of cutting-edge services, including:

- **Credential System:** Providing secure and efficient credential management solutions.
- **Meeting Platform:** Developing robust platforms to facilitate seamless virtual meetings.
- **E-Commerce Solutions:** Creating dynamic and user-friendly online shopping experiences.
- **Application Development:** Building custom applications to drive business efficiency.
- **WordPress Development:** Designing and developing responsive and engaging WordPress websites.

In addition to these services, Uni Converge Technologies is dedicated to fostering innovation and entrepreneurship. The company is recognized by Startup India and holds ISO 9001:2015 certification, reflecting its commitment to maintaining the highest standards of quality in its processes and services. As a registered Micro, Small, and Medium Enterprise (MSME), Uni Converge Technologies adheres to ethical business practices and contributes to economic development. Furthermore, the company is approved by the All-India Council for Technical Education (AICTE) to offer internships, providing valuable learning experiences and contributing to skill development.

Uni Converge Technologies 's mission is to empower clients by leveraging technology to drive success. The company emphasizes a customer-centric approach, working closely with clients to understand their goals and deliver solutions that meet specific requirements. With a focus on continuous support and maintenance, Uni Converge Technologies ensures that software solutions remain optimized and secure.

Abstract

This report provides a detailed overview of my summer internship experience at **Uni Converge Technologies**, where I had the opportunity to work as a **Full Stack Development**. The primary objective of the internship was to equip me with a comprehensive understanding of the fundamental principles of frontend development, with a focus on real-world application. Over the course of the internship, I was exposed to various aspects of web development, including HTML, CSS, JavaScript, responsive design, and development tools, while contributing to live projects.

Throughout the internship, I was tasked with a range of responsibilities aimed at enhancing my development skills. Key tasks included building and optimizing web pages, implementing responsive layouts, and ensuring cross-browser compatibility. I worked on creating interactive user interfaces using HTML, CSS, and JavaScript, while also integrating APIs to fetch and display dynamic data. I used a variety of development tools such as **Visual Studio Code**, **Git**, and **Chrome Developer Tools** to write, test, and debug code. These tools were essential to my learning process, enabling me to collaborate with the team, improve the functionality of the website, and receive feedback in real-time.

The projects I worked on included the redesign of an e-commerce website, where I contributed to enhancing the frontend by improving page layout, interactivity, and ensuring a seamless user experience across different devices. I was also involved in the development of user-friendly interfaces for mobile applications, ensuring the designs were intuitive, responsive, and optimized for mobile devices.

Beyond the technical skills gained, the internship provided me with invaluable experience in problem-solving and collaboration. I learned to think critically about development challenges, optimize code for better performance, and work effectively within a team to meet project goals and deadlines. Moreover, the mentorship provided by senior developers and feedback from peers played a significant role in refining my approach to frontend development.

This report will delve into the specific objectives set at the beginning of the internship, the methodologies employed in completing tasks, the challenges faced along the way, and the outcomes of the work completed. The insights gained during this internship not only enhanced my technical proficiency but also broadened my understanding of the frontend development process, preparing me for future opportunities in the Full Stack Development field.

Weekly Overview Internship activities

Week-1: Orientation and introduction

Date	Day	Name of the topic / Module
04.07.2024	Monday	Orientation, project requirement analysis
05.07.2024	Tuesday	UI wireframe creation (Homepage)
06.07.2024	Wednesday	UI wireframe creation (Product Page)
07.07.2024	Thursday	Final Wireframe Creation
08.07.2024	Friday	Feedback on wireframes and revisions

Week-2: Frontend Development

Date	Day	Name of the topic / Module
09.07.2024	Monday	Frontend development (Homepage)
10.07.2024	Tuesday	Frontend development (About Us page)
11.07.2024	Wednesday	Frontend development (Product Listing)
12.07.2024	Thursday	Front development (footer & header)
13.07.2024	Friday	Frontend testing and debugging

Week-3: Backend Development

Date	Day	Name of the topic / Module
15.07.2024	Monday	Backend setup and database design
16.07.2024	Tuesday	User login module development
17.07.2024	Wednesday	User registration module development
18.07.2024	Thursday	User Registration Final development
19.07.2024	Friday	Feedback and adjustments

Week-4: JavaScript for Project & Testing and Finalization

Date	Day	Name of the topic / Module
22.07.2024	Monday	Frameworks (React Js, Angular js and Node Js)
23.07.2024	Tuesday	Testing and validation (login module)
24.07.2024	Wednesday	Product search functionality development
25.07.2024	Thursday	Frontend-backend integration testing
10.08.2024	Friday	Project submission and documentation

Introduction

This report provides a detailed account of my internship experience at Uni Converge Technologies Private Limited, where I had the opportunity to immerse myself in the dynamic and fast-paced world of technology. As part of my academic requirements for B.E., CSE, I embarked on this internship with the goal of applying the knowledge gained during my studies to real-world scenarios, while also gaining a deeper understanding of industry practices and standards.

During my internship at Uni Converge Technologies Private Limited, I was fortunate to work alongside a talented team of professionals who provided mentorship and guidance throughout my journey. My involvement in various projects allowed me to witness firsthand how technology solutions are crafted, developed, and deployed to meet the specific needs of clients. I was exposed to a range of tasks, from list key tasks, such as Frontend Development, Backend Development, Frameworks etc., which provided me with a comprehensive understanding of the company's operations.

The internship provided me with the opportunity to bridge the gap between theory and practice. While my academic background had prepared me with a solid foundation in Full Stack Development work at Uni Converge Technologies Private Limited allowed me to apply these concepts in a professional setting, tackling real-world challenges and contributing to active projects.

Throughout my internship, I was able to develop not only my technical skills but also my professional skills. I learned the importance of effective communication, teamwork, and time management, which are all crucial elements in a workplace environment. The experience was invaluable in enhancing my ability to work collaboratively in a team and think critically to solve problems.

This report will provide an overview of the tasks and projects I worked on during my time at Uni Converge Technologies Private Limited, the skills I developed, and how this internship has contributed to my career aspirations. It will also reflect on the insights I gained into the technology industry and the lessons learned that will shape my future professional endeavours.

Objectives

The primary objective of my internship at Uni Converge Technologies Private Limited was to gain practical experience in the field of Full Stack Development while simultaneously applying the theoretical knowledge I had gained through my academic studies. This opportunity allowed me to explore the real-world challenges faced by professionals in the technology industry and to develop the necessary skills to succeed in a fast-paced, technology-driven environment. The specific objectives I aimed to achieve during my internship were:

1. Apply Theoretical Knowledge in a Professional Environment

One of the main goals was to bridge the gap between academic learning and practical application. I aimed to utilize the knowledge I had acquired from my courses in web developing Courses, e.g., programming, systems analysis, software engineering] and apply it in a real-world context, working on actual projects that impact the company's operations and clients.

2. Develop and Enhance Technical Skills

I sought to strengthen my technical proficiency in HTML, CSS, JavaScript and React js worked with Python, cloud computing, MS SQL. By working on hands-on projects, I was able to gain deeper insights into the tools and methodologies used in the industry, and to refine my skills in problem-solving, coding, and system development.

3. Understand Industry Best Practices and Methodologies

Another key objective was to learn about the best practices and industry standards followed by professionals at Uni Converge Technologies Private Limited. I was eager to understand how projects are managed, how teams collaborate, and what processes are followed to ensure high-quality and efficient outcomes.

4. Contribute to Team Projects and Initiatives

I aimed to actively contribute to the company's ongoing projects and initiatives. By working as part of a team, I wanted to provide value through my tasks and responsibilities, whether by coding, analysing data, testing systems, or collaborating on strategic solutions.

Task Performance

Harvest Hub

Products

Sign In

Login to Harvest Hub

Sign in to start shopping fresh, organic groceries

Continue with Google

OR CONTINUE WITH

Email

you@example.com

Password

Sign In →

New to Harvest Hub? [Create an Account](#)

Harvest Hub

Search for groceries...

Products

My Account

Our Products

Filters


Clear all filters

Price Range

₹0.00 ₹10000.00

Categories

- ☐ Atta & flours
- ☐ Biscuits
- ☐ Dental care
- ☐ Hair oils
- ☐ Handwash
- ☐ Indian Sweets
- ☐ Noodles
- ☐ Rice & Grains
- ☐ Spices




Nutri choice biscuit

snacks

Britannia

₹4.00

Add to Cart




Amul Butter 100g

milk products

amul

₹4.00

Add to Cart




Amul Milk 500ml

milk products

amul

₹28.00

Add to Cart



Amul masti dahi 200g

milk products


amul

₹19.00

Add to Cart


Your Items

Clear Cart




Fortune atta 5kg

₹220.00



Fortune Biryani Special Basmati Rice 1 kg

₹150.00



India Gate Regular Choice Basmati Rice 5 kg

₹500.00


Total:


₹870.00

Proceed to Payment

Payment Method

Choose your preferred payment option

☒  Pay with Card (Stripe)

☐  Cash on Delivery

Pay now

Order Summary

Review your items before placing the order

Fortune atta 5kg	\$220.00
Qty: 1	
Fortune Biryani Special Basmati Rice 1 kg	\$150.00
Qty: 1	
India Gate Regular Choice Basmati Rice 5 kg	\$500.00
Qty: 1	
Total	\$870.00

Conclusion:

The internship at **Uni Converge Technologies** has been an incredibly enriching experience, providing me with valuable industry insights and practical knowledge in the field of **Frontend Development**. Over the course of the internship, I was able to apply the theoretical concepts I had learned in my studies to real-world Full Stack Development projects, which greatly enhanced my understanding of responsive design, web accessibility, and interactive elements. The exposure to industry-standard tools like **Visual Studio Code**, **Git**, and **Chrome Developer Tools** has improved my technical proficiency, allowing me to effectively develop responsive, user-friendly websites. Additionally, collaborating with experienced developers helped me develop problem-solving, communication, and teamwork skills.

I am confident that the skills and knowledge gained during this experience will be instrumental in shaping my future career in **Full Stack Development**.

Declaration:

I, MOHAMED ASLAM H, declare that the Frontend Development Internship Report is a result of my work during the internship at Uni Converge Technologies Private Limited, under the guidance of Mrs. Shivangi

I confirm that all work, including project development and documentation, was done solely by me. The details provided are accurate to the best of my knowledge.

I acknowledge that this report has been reviewed and approved by my supervisor, Mrs. Shivangi

Submitted By: MOHAMED ASLAM H

Date: