

INTERNSHIP PROJECT REPORT

On
Full Stack Development

Submitted By:
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Under the Guidance of
Upskill Campus

Duration: 6 Weeks (Starting from 6th October 2025)

[College Logo]



[Upskill Campus Logo]



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Acknowledgment

I would like to express my deepest gratitude to **Upskill Campus** for providing me with the opportunity to work as an intern in the domain of **Full Stack Development**. This internship has been an incredible journey of learning, exploration, and growth that has allowed me to apply my academic knowledge in a practical, real-world environment. The experience I gained during these six weeks has been invaluable in strengthening both my technical and professional skills.

I extend my sincere thanks to **Maharaja Ranjit Singh College, Indore**, for encouraging students like me to take up such valuable internships and for providing continuous support and guidance throughout the duration of this program. The college's emphasis on practical exposure has helped me understand how classroom learning can be effectively applied to solve real-world challenges.

I am extremely thankful to the entire team at **Upskill Campus** for their mentorship and cooperation. Their well-structured training modules, practical exercises, and project-based learning approach gave me deep insights into modern web development practices. Working with tools such as HTML, CSS, JavaScript, React, Node.js, and MongoDB helped me understand how different technologies integrate to form a complete full stack system.

A special note of gratitude to my mentors at Upskill Campus — **Mr. Kaushlendra Singh Sisodia (Director & Chief Mentor)**, **Mr. Rishabh Kumar (Sr. System Engineer & Instructor)**, **Ms. Prabha Singh (Human Resources & Soft Skill Instructor)**, and **Mr. Vishal Agarwal (IT Head)** — for their continuous support, feedback, and encouragement. Their expertise, patience, and dedication inspired me to perform my best during this internship. Each session with them added to my confidence and motivated me to explore new areas of learning.

I also want to thank my fellow interns and teammates for their teamwork, cooperation, and the healthy learning environment we shared. The group discussions, brainstorming sessions, and project collaborations helped me enhance my communication skills, critical thinking, and adaptability — qualities that are essential for a successful career in the IT industry.

Lastly, I am deeply grateful to my family and friends for their unwavering encouragement and belief in my abilities. Their support gave me the strength to stay focused and committed throughout the internship period.

This internship has been more than just a learning opportunity; it has been a stepping stone toward my professional journey. It provided me with hands-on experience in software development and project execution, bridging the gap between academic learning and industrial requirements. I will always cherish this experience as one of the most important milestones in my career development.

About the Organization – Upskill Campus

Upskill Campus is a fast-growing EdTech platform dedicated to empowering students, freshers, working professionals, educators, and entrepreneurs through quality online education and skill-based learning programs. The organization aims to bridge the gap between academic learning and industry requirements by providing practical, hands-on training in the latest technologies and professional domains.

Upskill Campus believes that learning should be accessible, engaging, and continuous. Their vision is to create a learning environment where every individual can learn at their own pace, strengthen their professional foundation, and stay ahead in a rapidly changing technological world. The platform provides 24x7 learning opportunities with real-world projects and exercises that help learners gain confidence and practical expertise.

The company's mission is to lead and support the early learning community by offering the best foundation for creative and curious learners. With a focus on skill enhancement and personal development, Upskill Campus ensures that its learners are not only technically sound but also equipped with communication, teamwork, and problem-solving abilities essential for the modern workplace.

The team at Upskill Campus is led by Mr. Kaushlendra Singh Sisodia, an IIT Kanpur alumnus and the Director & Chief Mentor, whose vision and guidance inspire innovation and growth. He is supported by a skilled team including Mr. Rishabh Kumar, Senior System Engineer & Instructor; Ms. Prabha Singh, Human Resources & Soft Skills Instructor; and Mr. Vishal Agarwal, IT Head.

Through its structured learning modules, live sessions, and industry-driven approach, Upskill Campus continues to make a significant impact in the field of education, helping thousands of learners build successful and future-ready careers.

Our Mission

The mission of Upskill Campus is to empower individuals with practical, industry-relevant knowledge and skills that prepare them for successful careers in the digital era. The organization aims to lead and support learners by providing high-quality training programs that bridge the gap between traditional education and the ever-evolving technological landscape.

Through its continuous learning approach, Upskill Campus strives to create a culture of innovation, creativity, and hands-on problem-solving. The platform focuses on nurturing talent by combining academic excellence with real-world applications, enabling learners to build confidence and competence in emerging technologies.

By fostering a learner-centric environment, Upskill Campus ensures that every student has access to quality education, personalized learning experiences, and opportunities for career advancement. The mission is not only to teach but also to inspire individuals to think critically, act responsibly, and contribute meaningfully to society through technology and innovation.

Our Vision

The vision of Upskill Campus is to create a world where every learner has equal access to quality education and the opportunity to grow at their own pace. The organization envisions becoming a global leader in online learning by empowering individuals with the skills and confidence needed to succeed in the modern digital world.

Upskill Campus strives to build a dynamic learning environment that blends technology, creativity, and innovation. The focus is on developing a generation of learners who are not only skilled in their chosen fields but also capable of adapting to the ever-changing demands of the industry.

By fostering curiosity, self-learning, and hands-on experience, Upskill Campus aims to transform traditional education into a more practical and engaging journey. Its ultimate goal is to make learning a lifelong process that fuels both personal and professional growth.

Meet The Team

Kaushlendra Singh Sisodia – (IIT Kanpur Alumni) Director & Chief Mentor

Rishabh Kumar – Sr. System Engineer & Instructor

Prabha Singh – Human Resources & Soft Skill Instructor

Vishal Agarwal – IT Head

Weekly Progress Report

Week 1 – Orientation and Introduction

The first week of my internship at Upskill Campus was primarily focused on understanding the organization, its goals, and the overall structure of the internship program. We were introduced to the mission and vision of the company and the way Upskill Campus contributes to developing future-ready professionals through technology-based learning. During this week, our mentors familiarized us with the tools, platforms, and methodologies that we would use throughout the internship.

I learned about how an EdTech company functions, including its training modules, team structure, and communication process. The mentors gave an overview of Full Stack Development, highlighting the importance of both frontend and backend technologies in building complete web applications. We also received details about the internship roadmap, assessment methods, and expectations.

The first week helped me understand the learning culture of Upskill Campus and set a clear direction for the upcoming modules. It built the foundation for technical learning and gave me an idea of the skills I would acquire during the internship journey.

Week 2 – Java Fundamentals

The second week marked the beginning of our technical training with a deep dive into Java Programming Fundamentals. I learned about the history, features, and architecture of Java, which gave me a solid understanding of why Java is one of the most preferred languages for software development. We studied Object-Oriented Programming (OOP) principles, including abstraction, encapsulation, inheritance, and polymorphism.

I practiced creating classes and objects, using constructors, and working with methods and variables. We also explored the use of keywords like `super` and `final`, and how they help maintain code efficiency and structure. The concept of abstract classes and interfaces was introduced to help us understand the importance of design flexibility in Java applications. Throughout the week, I wrote multiple small Java programs to reinforce my understanding. This practice helped me gain confidence in using Java syntax and logic building, setting the stage for learning database integration in the upcoming weeks.

Week 3 – JDBC (Java Database Connectivity)

The third week focused on JDBC (Java Database Connectivity) — a vital component for connecting Java applications to databases. This week helped bridge my theoretical knowledge of Java with practical database handling skills. I learned how to establish connections between Java programs and relational databases like MySQL, execute SQL queries, and handle result sets efficiently.

We explored various types of JDBC Statements such as Statement, PreparedStatement, and CallableStatement, learning how each one provides different levels of performance and security. I also learned about exception handling and transaction management, which are essential for maintaining data integrity in real-world applications.

By the end of the week, I successfully built small console-based Java applications that could connect to MySQL, insert and retrieve data, and perform CRUD operations. This week was an essential step in understanding how backend and databases interact within a full stack environment.

Week 4 – Full Stack Concepts

During the fourth week, we began exploring Full Stack Web Development. The mentors explained how a full stack developer handles both frontend and backend tasks to deliver complete, functional applications. We studied the MEAN Stack (MongoDB, Express.js, Angular, and Node.js) and gained insights into the components that make up a full stack.

I learned how to set up a development environment and install necessary software components. The week also covered frontend development basics, such as HTML structure, HTML tags, document validation, and responsive design techniques using CSS.

We were introduced to the concept of frameworks and libraries, learning how they help streamline development processes. We also discussed the importance of version control tools like Git and GitHub for team collaboration.

By the end of the week, I had a clear understanding of how different technologies combine to form a full stack project and was prepared to move forward with backend and database integration.

Week 5 – Database Integration and MongoDB

The fifth week centered on integrating databases into our full stack applications using MongoDB. I learned the core concepts of NoSQL databases, collections, and documents. We used Mongoose, a popular MongoDB library for Node.js, to perform CRUD operations and manage schema definitions.

I connected the backend (Node.js + Express) to MongoDB, implemented APIs for data exchange, and tested them using tools like Postman. This week also involved debugging issues related to connectivity and schema validation, which improved my problem-solving abilities.

Our mentor emphasized understanding the relationship between frontend and backend data flow. By writing and testing multiple API endpoints, I learned how user input from a web page can be processed, stored, and retrieved dynamically.

By the end of the week, I had a working prototype that could fetch and display data from the database in real-time. This week was crucial in transforming my theoretical learning into practical backend experience.

Week 6 – Final Project Development and Deployment

The final week was dedicated to the development and deployment of our Full Stack Project – “Track Your Food”, an online food delivery web application. My focus was on combining the skills I had learned — frontend (HTML, CSS, JavaScript, React), backend (Node.js, Java), and database (MongoDB).

During this week, I worked on integrating all modules, ensuring seamless communication between frontend and backend. I implemented features like user authentication, order management, and delivery tracking. I also tested the project for performance, security, and responsiveness.

After testing, I deployed the project on a hosting platform and demonstrated its functionality. Additionally, I prepared the project documentation and final internship report.

This week was a true test of all the skills I had gained during the internship. It strengthened my confidence as a developer and gave me real-world experience in full stack web development and project deployment.

Project Work

Project Title:

Track Your Food – Online Food Delivery Website

Objective:

The primary objective of this project was to design and develop a web-based food delivery application that enables users to order food online and track their orders in real-time. The project aimed to bridge the gap between restaurants and customers through a digital platform that ensures fast, fresh, and convenient food delivery. It also sought to enhance user experience by integrating responsive design, secure authentication, and live order tracking features.

Project Description:

“Track Your Food” is a Full Stack Web Application developed during my internship at Upskill Campus. The platform was built using modern technologies such as HTML, CSS, JavaScript, React, Node.js, and MongoDB, which together formed a robust, scalable, and efficient system. The frontend was designed to be visually appealing and user-friendly, while the backend ensured smooth communication between the client interface and the database.

The system allows restaurant owners to register, list their menus, and update food availability. Users can create accounts, browse nearby restaurants, view menus, and place their orders. Once the order is placed, the restaurant receives the request, confirms it, and assigns a delivery agent. The delivery status can then be tracked live through the location tracking module integrated into the frontend.

Modules and Features:

1. Home Page: Displays all the available restaurants, trending food items, and offers.
2. Login & Registration: Enables secure user authentication for both customers and restaurants.
3. Order Page: Allows customers to add food items to the cart, view total price, and place orders.
4. Tracking System: Shows the live status and estimated delivery time using real-time tracking logic.
5. Admin/Restaurant Dashboard: Enables restaurant owners to manage food items, prices, and orders.

Technologies Used:

- Frontend: HTML, CSS, JavaScript, React.js
- Backend: Node.js, Java
- Database: MongoDB
- Version Control: Git and GitHub
- Tools: Visual Studio Code, Postman

Backend and Database Integration:

The backend, built using Node.js and Express.js, handled all the server-side operations, including user authentication, order processing, and communication with the database. The database was implemented using MongoDB, where data was stored in collections representing users, orders, and restaurants. CRUD operations (Create, Read, Update, Delete) were implemented to manage records dynamically.

The connection between the frontend and backend was established through RESTful APIs, which enabled real-time data exchange and ensured seamless synchronization between different modules.

Challenges Faced:

During development, I faced challenges such as handling asynchronous requests in Node.js, managing database schema consistency, and optimizing frontend performance for faster load times. However, with continuous learning and mentor guidance, I successfully overcame these issues and enhanced my debugging and problem-solving skills.

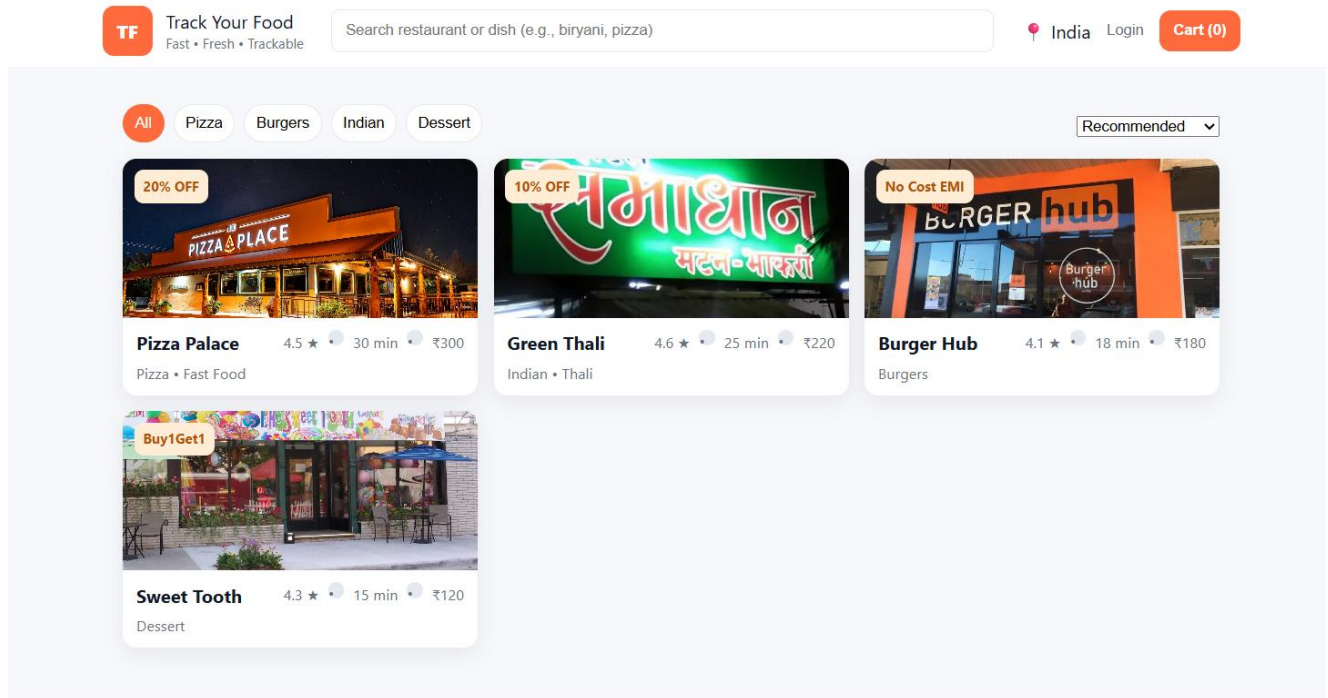
Outcome and Learning:

By the end of the internship, I had developed a fully functional food delivery web application that supports user authentication, order placement, and real-time order tracking. The project helped me understand the entire web development lifecycle — from frontend design to backend logic and deployment.

This project was an excellent opportunity to apply my theoretical knowledge to a real-world scenario, improve my coding proficiency, and gain experience in teamwork and professional software development practices.

Screenshots & Output

1. Home Page –



2. Login Page –



Track Your Food

[Home](#)

Login

Enter your name to continue (demo — no password).

Your name

Phone (optional)

Continue

Cancel

© Track Your Food

3. Tracking Page

TF

Track Your Food

Home

Cart

Order Tracking

Enter tracking ID, or open last placed order for demo.

View

Last Order

© Track Your Food

4. Order Page

TF

Track Your Food

Home

Checkout

Green Thali — Indian, Thali • 25 min

10% OFF

Veg Thali

₹189

Add

Paneer Sabzi

₹129

Add

Your Cart

Your cart is empty. Browse restaurants to add items.

Total

₹ 0

Place Order

Clear Cart

© Track Your Food

Skills Learned

- Frontend Development: HTML, CSS, JavaScript, React
- Backend Development: Node.js, Express.js, Java
- Database Management: MongoDB
- Version Control: Git & GitHub
- Deployment & Testing
- Team Collaboration and Time Management

Conclusion

The Full Stack Development internship at Upskill Campus was an enriching experience. It bridged the gap between theoretical knowledge and practical application. I learned essential professional skills and developed a working web project from scratch. This internship inspired me to keep improving my coding and development abilities and pursue a career in the IT industry.

THANK YOU UPSKILL
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