

ABHINAV SHARMA

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EDUCATION

Thakur College of Engineering and Technology Mumbai

June 2021 – June 2025

Bachelor of Engineering in Information Technology

CGPA: 9.6

TECHNICAL SKILLS

Languages: Java, C/C++, Python.

Web Development: HTML, CSS, Tailwind CSS, Responsive Design, JavaScript, React, Redux Toolkit, Node.js, Express.js, MongoDB, Database Modeling, Restful API.

Logic Building and Fundamentals: Data Structures and Algorithms, DBMS, Operating System, OOPS.

Version Control and Development Tools: Git, GitHub, VS Code, MongoDB Compass, Postman, Vercel, Docker.

EXPERIENCE

Extion Infotech

December 2023 – February 2024

Web Developer Intern

Remote

- Developed and implemented a dynamic and user-friendly website and dashboard for Extion Infotech utilizing **HTML, CSS, JavaScript, and React**, contributing to a substantial increase(20x growth) in user attraction.
- Implemented **Node.js, Express, and MongoDB** backend technologies to establish a powerful **RESTful API** infrastructure, facilitating seamless handling of diverse **CRUD** (Create, Read, Update, Delete) requests.
- Collaborated closely with cross-functional teams to understand business requirements and translate them into scalable and efficient technical solutions.
- Utilized **Express.js** to streamline server-side development and create robust API endpoints for serving various types of data operations.

PROJECTS

Studynotion Learning Hub | Project Link

May 2024

- Utilized MERN stack to create Studynotion, a comprehensive Edtech platform where students can learn various technologies by purchasing courses created by instructors.
- The platform **features** user authentication, authorization, secure transactions, and detailed performance tracking for both students and instructors.
- Integrated **JWT**-based Single Sign-On and **OTP verification**, increasing security against unauthorized access by 60%.
- Integrated **Razorpay** for course transactions, achieving a 98% success rate in payment processing and reducing payment-related issues by 25%.
- Developed a robust backend using **Node.js and Express.js**. Ensured scalable, maintainable, and reliable API design following **REST principles**.

Deadline Driven Task Scheduler | Project Link

March 2024

- Developed a web application allowing users to efficiently manage tasks based on deadlines using **MERN stack**.
- Implemented functionalities** for adding, updating, and removing tasks dynamically.
- Built a robust backend using **Node.js and Express.js** and implemented **heap data structure and heapify algorithms** to render tasks in increasing order of deadline by dynamically sorting tasks based on their deadline, facilitating prioritization for users.
- Leveraged **MongoDB** for data storage and implementing efficient database modeling to manage tasks effectively.
- Created **Restful API** to facilitate communication between the frontend and backend, allowing users to perform CRUD operations on tasks seamlessly.

Ecomzy | Project Link

December 2023

- Ecomzy is an online shopping destination, offering a wide range of products from fashion to electronics with simple and clean UI built in **React.js**.
- Implemented **Redux Toolkit** to centralize **state management** for products and the shopping cart, resulting in a streamlined and efficient application structure, reducing code complexity by 40% and enhancing scalability for future feature expansions.
- Utilized **Redux Toolkit's store, reducers and actions** to efficiently manage state across the application.

ACHIEVEMENTS / EXTRACURRICULAR

- Guided problem-setting and testing at TCET Shastra Coding Club for Data Structures and Algorithms, amplifying members' skills and elevating competition standings. Resulted in a 30% improvement in their problem-solving ability.
- Achieved **5-star status in problem-solving** at HackerRank and solved over **150 problems** on LeetCode.
- Advanced to the second round of the **Smart India Hackathon with Aapda Mitra**, a project designed to aid rescue agencies during disasters and emergencies.
- Scored **10 CGPA** in 3rd and 6th Semester of Engineering.