

ROHAN KUMAR SINGH

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Aspiring MERN Stack Developer seeking a challenging role in a dynamic and growth-oriented environment where I can contribute to team success through innovative problem-solving, continuous learning, and full-stack development expertise. Eager to apply my technical skills to deliver impactful solutions and add value to organizational goals.

EDUCATION

Sandip Institute of Technology & Research Center, Nashik

2021 – 2025

Bachelor of Engineering, Computer Engineering

Current SGPA: 8.10

SKILLS AND INTERESTS

Languages	JavaScript, C++, HTML, CSS, Python
Databases	MongoDB (NoSQL databases), MySQL (Relational databases)
Technologies/Frameworks	ReactJS, NodeJS, ExpressJS, REST API development, Firebase, Bootstrap, Tailwind
Interests	DevOps, Microservices, Backend Development

PROJECTS

RentEase – Electronics Rental Platform

Full Stack Web Application | MERN Stack (MongoDB, Express.js, React.js, Node.js)

- Developed a responsive and scalable rental platform enabling users to rent electronic devices on a daily, weekly, monthly, or yearly subscription basis.
- Designed and implemented user authentication, dynamic pricing models, and subscription management using JWT, React Context API, and MongoDB.
- Built intuitive UI components with React and styled-components, ensuring a seamless user experience across devices.
- Integrated secure payment gateway and real-time availability tracking of products.
- Created admin dashboard for managing listings, user queries, and rental activity with data visualizations and role-based access control.

Smart Blood and Organ Donation System – Medical Inventory Management

Full Stack Web Application | MERN Stack (MongoDB, Express.js, React.js, Node.js)

- Built a centralized platform for real-time inventory management of blood and organ supplies for hospitals and medical facilities.
- Implemented donor and receiver registration, along with search and match functionality based on blood type, organ type, and urgency level.
- Designed a role-based access control system for hospitals, donors, and administrators to manage requests, donations, and stock levels securely.
- Developed interactive dashboards to visualize inventory status, alerts for low stock, and donation history.
- Ensured data integrity and compliance with medical data standards using secure REST APIs and MongoDB schema validation.

Job Portal Website – Recruitment Platform

Full Stack Web Application | MERN Stack (MongoDB, Express.js, React.js, Node.js)

- Developed a job portal using React.js for a dynamic and interactive user interface.
- Integrated Supabase for backend services, handling job listings, user data, and real-time updates.
- Implemented secure user authentication using Clerk, enabling seamless access for job seekers and employers.
- Utilized ShadCN UI to design a modern, responsive, and accessible layout for both desktop and mobile platforms.
- Built core features including job search, job posting, application tracking, and real-time data synchronization.

INVOLVEMENT

Participated in Coderush 4.0

Participated in NSS Camp

Participated in Flipkart Grid 5.0

COURSEWORK

Data Structures and Algorithms

Object Oriented Programming

Operating System

Database Management System