

KUNAL KUMAR SINGH

Indore | ■ 9973489954 | ☎■ kunalsinghxy@gmail.com

SUMMARY

Graduate with a strong foundation in programming and problem-solving. Skilled in HTML, JavaScript, React.js, Node.js, and MongoDB, with a keen interest in software development and web technologies. Experienced in building full-stack applications with modern frameworks, secure authentication, and efficient state management.

TECHNICAL SKILLS

- Frontend: HTML, CSS, JavaScript, React.js, Redux Toolkit, Tailwind CSS
- Backend: Node.js, Express.js, RESTful APIs, Socket.IO
- Database: MongoDB, SQL, Mongoose
- Other Tools: Axios, Git/GitHub, Vercel, Render

EXPERIENCE

BestPeers, Indore — Software Engineer Trainee (Jan 2025 – Apr 2025)

PROJECTS

E-commerce Web Application | <https://ecommerce-app-two-jade-61.vercel.app/>

- Developed a full-stack e-commerce web application with a modern, user-friendly interface inspired by Myntra
- Frontend: Built using React, Vite, and Tailwind CSS, with Redux Toolkit for efficient state management
- Authentication & Access Control: Implemented JWT-based authentication with Role-Based Access Control RBAC, ensuring each user type (customer, seller, admin) can only access permitted features
- Product Management: Designed dynamic product listings with debounced search and pagination for optimized performance
- Cart & Wishlist: Integrated cart functionality with quantity management and seamless wishlist support
- Backend: Developed a Node.js REST API with secure authentication and scalable architecture

Inventory Management System | <https://mini-inventory.vercel.app/>

- Developed a web-based inventory management system using modern web technologies
- Frontend: Built with React and Vite for fast, efficient development
- Backend: Implemented using Node.js with Express and Mongoose for MongoDB integration
- State Management: Utilized Redux Toolkit to manage the state of inventory items efficiently
- Async Operations: Implemented asynchronous CRUD operations (fetch, add, update, delete) using Redux Thunks and Axios
- API Integration: Connected to a RESTful API for performing inventory management operations

Chat Application | <https://chat-app-nine-jet-64.vercel.app/>

- Developed a real-time chat application using React, Node.js, Express, MongoDB, and Socket.IO with instant messaging, media sharing, and notifications
- Implemented JWT for secure user login/signup and maintained authentication state using Redux Toolkit.
- Built RESTful APIs for user and message management, supporting chat history, file uploads, and efficient WebSocket communication.
- Designed a responsive, modern UI with React and Tailwind CSS, ensuring seamless user experience across devices.
- Deployed full-stack application on Render (backend) and Vercel (frontend) with environment-based configuration and WebSocket support.

EDUCATION

Technocrate Institute of Technology, Bhopal

- B.Tech in Computer Science (2019 – 2023)

GKPD College, Samastipur —

- Intermediate (2017 – 2019)

LANGUAGES

- Hindi
- English