

# KUNAL KUMAR SINGH

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## SUMMARY

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

## EXPERIENCE

Web Developer Trainee	January 2025 – April 2025
BestPeers	<i>Indore , Madhya Pradesh</i>

## EDUCATION

B.Tech in Computer Science	2019-2023
Technocrate Institute of Technology	<i>Bhopal, Madhya pradesh</i>

## TECHNICAL SKILLS

- **Frontend:** Html , Css , React , Axios , Redux Toolkit
- **Backend:** Node.js , Express.js , RestFull Api , Socket.IO
- **Programming Languages:** JavaScript , OOPS
- **Database :** MongoDb , SQL
- **Tools:** Git/Github

## PROJECT

### 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

### Chat Web 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.
- Deployed full-stack application on Render (backend) and Vercel (frontend) with environment based configuration and WebSocket support.