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   *Indore , Madhya Pradesh*

EDUCATION

B.Tech in Computer Science   2019-2023
Technocrate Institute of Technology   *Bhopal, Madhya pradesh*

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-m1yw.vercel.app/

- Developed a real-time chat application using React, Node.js, Express, MongoDB, and Socket.IO with instant messaging, media sharing, and noti cations

- Implemented JWT for secure user login/signup and maintained authentication state using ReduxToolkit.

- Built RESTful APIs for user and message management, supporting chat history, le uploads, and efficient WebSocket communication.

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