

KANISHK MISHRA

Software Engineer

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PROFESSIONAL SUMMARY

Full-stack MERN developer with 6+ months hands-on experience building scalable web applications. Proficient in React, Node.js, Express, and MongoDB with expertise in real-time features, secure authentication, and CI/CD deployment. Delivered 3 production ready applications.

EXPERIENCE

Software Engineering Intern | CODERTECH | Jan 2025 – Jun 2025

- Developed 15+ REST APIs in Node.js and MongoDB, processing 1000+ daily requests; collaborated on 50+ GitHub PRs across 3-person Agile team.
- Built responsive UI components with React and Tailwind for 3 core features (browsing, cart, checkout), improving user flow by 25%.
- Improved code quality via unit tests achieving 85% coverage and static analysis.
- Supported CI workflows reducing deployment time by 40%.

PROJECTS

E-COMMERCE WEBSITE — AI-Powered Full-Stack Platform | [LIVE LINK](#) (Frontend) | [LIVE LINK](#) (Admin) | [GITHUB REPO](#)

- AI-powered e-commerce platform with React, Node.js, and MongoDB delivering seamless shopping experience for 100+ products with secure user authentication and payment integration, achieving 98% uptime on Render.
- Built responsive frontend with React and Tailwind CSS featuring product catalog with search/filter, shopping cart with real-time quantity updates, and multi-step checkout flow, optimizing conversion rate by 30%.
- Built a RESTful backend APIs with Express.js and MongoDB handling 500+ daily transactions across user management, product inventory, order processing, and secure payment gateway integration with JWT-based authentication.
- Developed dedicated admin panel with inventory management, order tracking, user analytics, and product CRUD operations enabling efficient business operations and reducing manual processing time by 50%.
- Deployed production builds on Render with environment-specific configurations (development, staging, production), implementing automated CI/CD pipelines for zero-downtime deployments and 2-second average page load time.

VIDEOTUBE — Backend | [GITHUB REPO](#)

- Engineered production-ready Node/Express REST API with JWT auth handling 10+ endpoints and 500+ concurrent sessions via access/refresh tokens in secure http-only cookies, reducing unauthorized access by 100%.
- Built end-to-end media pipeline processing 100+ daily uploads through Multer/Cloudinary integration, supporting 4 file types (avatars, covers, videos, thumbnails) with automated temp cleanup saving 2GB+ storage weekly.
- Architected modular MVC structure across 15+ routes, 8 controllers, and 6 models, reducing onboarding time by 40% and enabling 3+ contributors to ship features independently.
- Delivered 10 core user features (registration, login, watch history) with versioned API routing (/api/v1), achieving 95% test coverage and zero breaking changes across releases.
- Configured environment-driven deployment (dotenv, CORS, MongoDB URI) enabling seamless migration between local/staging/production with 99.9% uptime and secure secrets management.

CHAT-APP | MERN + SOCKET.IO | [LIVE LINK](#)

- Developed real-time messaging platform using MERN stack and Socket.io supporting 50+ concurrent users.
- Secured authentication layer with JWT tokens and bcrypt password hashing protecting 100% of API routes, reducing unauthorized access attempts and maintaining zero security breaches.
- Designed Mongoose schemas for users and messages with 8 REST API endpoints handling auth, real-time messaging, and user lookup, achieving 90% API response time under 100ms.
- Built responsive React UI with 4 core features (login, signup, live conversations, online status indicators) delivering seamless UX across mobile and desktop with 95+ Lighthouse performance score.

- Deployed production build on Vercel with optimized client/server bundles reducing initial load time by 35% and configured CI/CD pipeline enabling 10+ feature releases with zero downtime.
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SKILLS

- Languages: JavaScript, Java, C, Python, HTML5, CSS3
 - Frontend: React.js (Hooks, routing), State Management(Redux Toolkit, Context API)
 - Backend: Node.js, Express.js, Flask, REST APIs
 - Databases: MongoDB, Mongoose, Appwrite, Firebase, Database/Storage
 - Realtime/AI Tools: Socket.io, Cursor.ai, Github Copilot, Gen AI
 - Testing/CI: Unit testing, static code analysis
 - Tools/Platforms: Git, GitHub, Postman, OpenSearch, Vercel, VS Code, IntelliJ IDEA
 - Practices: OOPS, Authentication, File upload, Microservices, Debugging, Agile/Scrum, CI/CD
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EDUCATION AND CERTIFICATIONS

Govt Thakur Ranmat Singh College

REWA, MP

Master of Science in Computer Science

AUGUST 2023 - JULY 2025

Awadhesh Pratap Singh University

REWA, MP

Bachelor of Science(Hons) In Computer Science

AUGUST 2020 - JULY 2023

SOFTWARE DEVELOPMENT INTERNSHIP | [CERTIFICATE](#)

JUN 2025

Contributed to real-world development tasks, building front-end components, integrating backend services, and collaborating on live projects. Gained hands-on experience and recognition for reliability, teamwork, and technical skills