

Shubham Mandal

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Summary

Self-taught Full-Stack Engineer specialized in MERN-stack, Next.js, and TypeScript. Designed and shipped 3+ end-to-end production-style products — architecting REST APIs, MongoDB schemas, authentication systems, and payment workflows, and deploying them to live environments with hands-on AI integration experience via the Gemini, OpenAI API's. Looking to bring this ownership and execution speed to a full-stack engineering team

Projects

Instokk — Full-Stack Quick-Commerce Platform

Next.js, TypeScript, Node.js, Express.js, MongoDB, Zustand, Razorpay

- Built a full end-to-end quick-commerce order pipeline covering products, categories, cart, checkout, and payments, reducing what would normally be a multi-service integration effort to a single cohesive platform, by designing 15+ modular REST API resources and matching MongoDB schemas.
- Improved frontend state consistency and reduced redundant API calls across cart, checkout, and session flows, by implementing Zustand for centralized client-side state management and caching.
- Enabled secure, dual-mode transactions (COD and UPI) supporting reliable order completion end-to-end, by implementing Razorpay webhook processing, price-snapshot logic, and JWT-based role authorization.
- Shipped a production-split architecture with independently scalable frontend and backend services, by deploying the frontend on Vercel and the backend on Railway.

Interv.ai — AI-Powered Interview Preparation Platform

Next.js, TypeScript, Node.js, Express.js, MongoDB, Gemini API

- Delivered automated, personalized interview feedback that eliminated manual review effort for end users, by integrating the Gemini API for dynamic question generation, candidate evaluation, and skill-gap analysis.
- Automated resume-to-report workflows, turning a multi-step manual process into a single upload action, by building PDF parsing and Puppeteer-based automated report generation.
- Built secure, scalable backend services supporting concurrent candidate sessions, by developing REST APIs and MongoDB data models for assessment and reporting workflows.

QryvAI — AI Career Assistant

MERN Stack, TypeScript, Gemini API

- Built a responsive, reusable frontend that reduced development time via shared components, by architecting a component-based React/Next.js interface styled with Tailwind CSS.
- Delivered personalized career guidance at scale, supporting authenticated multi-user sessions, by implementing session management, user profiles, and RESTful backend services with MongoDB.

Technical Skills

Languages: HTML, JavaScript (ES6+), TypeScript, Java (Basics)

Frontend: React.js, Next.js, Tailwind CSS, Shadcn UI, Bootstrap, SASS/SCSS

Backend: Node.js, Express.js, RESTful APIs, JWT Authentication

Databases: MongoDB, MySQL, PostgreSQL

State Management & Validation: Zustand, Context API, Redux Toolkit, Zod

Deployment & Tools: Git, GitHub, Vercel, Railway, Render, Postman, GitHub Copilot, VS Code,

Puppeteer
APIs & Integrations: Razorpay, Gemini API, OpenAI API, Grok API, Mapbox

Education

Shoolini University of Biotechnology and Management Sciences	2026 – 2029
Bachelor of Computer Applications	Online
Upgraded +2 High School, Gandey — JAC Board	2024 – 2026
Intermediate (Arts) — 90.8%	
Adarsh High School, Budhudih — JAC Board	2024
Matriculation — 82.2%	

Core Strengths

Problem Solving | Logical Thinking | Debugging & Troubleshooting | Team Collaboration | Quick Learning
| Communication | Time Management | Adaptability