

# Mantu Kumar

Full Stack Developer | GenAI Engineer

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## EXPERIENCE

### Full Stack Developer

Jun 2025 – Sept 2025

*Gifts Genie – Freelance*

- Led end-to-end development of a Made-in-India gift e-commerce platform with React frontend, authentication, inventory management, and secure Razorpay payment integration shipped to production.
- Architected the full frontend-backend integration layer, owning every layer from database schema to UI interactions for a polished, production-ready experience.

### Backend Developer

Jan 2025 – Apr 2025

*NotBasic – Freelance*

- Architected the full backend for a Mumbai clothing brand's e-commerce platform — authentication, product management, and order workflows with Node.js, Express.js, and MongoDB.
- Integrated Razorpay payment gateway and implemented role-based access control with scalable REST APIs serving the live storefront.

## PROJECTS

### Chai Forms

[Live](#) | [GitHub](#)

*Next.js · Tambo UI · TypeScript · tRPC · PostgreSQL · Drizzle ORM · Redis · Tailwind CSS · Docker*

- Full-featured AI form builder with multi-page forms, conditional logic, 15+ field types, workspace RBAC, and a Recharts analytics dashboard.
- Redis caching, Cloudinary uploads, Razorpay Pro billing, Google OAuth, nodemailer workspace invitations, and community template cloning with end-to-end tRPC type safety.

### Doc Mind

[Live](#) | [GitHub](#)

*React · Next.js · LangChain · RAG · Cheerio*

- Built a RAG pipeline supporting PDF, DOCX, TXT, and URL ingestion using LangChain and Cheerio for document parsing and web scraping.
- Designed a React chat interface enabling users to query documents with grounded, contextual AI responses powered by retrieval-augmented generation.

### Tezart

[Live](#) | [GitHub](#)

*Next.js · TypeScript · OpenAI · Gemini · Clerk*

- Built a YouTube thumbnail generator integrating OpenAI and Gemini image APIs with a credit-based generation system and full history tracking.
- Implemented Clerk authentication with protected routes and a polished Next.js UI delivering a seamless, production-grade experience.

### GameZone

[Live](#) | [GitHub](#)

*React · Node.js · Socket.IO · WebSockets*

- Built a real-time multiplayer gaming platform using Socket.IO and WebSockets with integrated voice and text chat for concurrent players and spectators.
- Designed multi-user room management with dynamic player state sync and a responsive React UI supporting simultaneous game sessions.

### QGenius

[Live](#) | [GitHub](#)

*Next.js · TypeScript · Gemini · PostgreSQL · Prisma*

- Developed an AI-powered academic note generator with a real-time chat interface and protected routes using Next.js App Router.
- Integrated Google Gemini with PostgreSQL via Prisma ORM for persistent note storage and user session management.

## SKILLS

<b>Frontend</b>	React, Next.js, TypeScript, JavaScript, Tailwind CSS, Framer Motion, Radix UI, Recharts
<b>Backend &amp; BaaS</b>	Node.js, Express.js, NestJS, tRPC, REST APIs, Firebase, Supabase, Appwrite
<b>Databases</b>	MongoDB, PostgreSQL, Prisma, Drizzle ORM, Qdrant, Neo4j, Redis
<b>Generative AI</b>	OpenAI, Gemini, LangChain, Vercel AI SDK, HuggingFace, RAG Pipelines
<b>Mobile</b>	React Native CLI, Expo, NativeWind, React Native Paper, Expo SDKs
<b>Tools &amp; DevOps</b>	Docker, Git/GitHub, Clerk, Razorpay, Cloudinary, Postman

## EDUCATION

### Bachelor of Computer Applications (BCA)

2023 – 2026

*Marwari College Ranchi, Ranchi University*

### Class 12 — Science

2020 – 2022

*Bokaro Ispat Senior Secondary School*