

Mantu Kumar

Fullstack GenAI developer | [Portfolio](#) | [Github](#) | [LinkedIn](#) | [X](#)

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EXPERIENCE

[NotBasic](#)

Jan. 2025 – Mar. 2025

Backend Developer

Freelance

- Developed the backend of an e-commerce platform for a Mumbai-based clothing brand.
- Implemented features like authentication, product management, order management.
- Integrated Razorpay for secure payment processing and role-based access control for admins and customers.
- Designed scalable REST APIs using Node.js, Express.js, and MongoDB(Mongoose ODM).

[GiftGennie](#)

April. 2025 – May. 2025

Fullstack Developer

Freelance

- Led backend development of a fullstack e-commerce website built for a Made-in-India store offering a wide variety of unique and customizable gifts.
- Handled frontend and backend integrations for authentication, inventory management, and secure payments, ensuring seamless user experience and system reliability.

PROJECTS

Crezia - Youtube thumbnail generator

[Live Demo](#)

- Developed a thumbnail generator that creates YouTube thumbnails in seconds using OpenAI and Gemini LLM.
- Handled history tracking of generated thumbnails and implemented a credit-based image generation system.
- Designed user authentication and route protection with Clerk, ensuring secure and personalized access.

Doc Mind - Rag Based application

[Source Code](#) | [Live Demo](#)

- Advanced RAG (Retrieval-Augmented Generation) implementation for accurate document processing
- Support for multiple document formats (PDF, DOCX, TXT) and URL content extraction.
- Uses Langchain for documents parsing and cheerio for website parsing.

GameZone - Multiplayer Gaming website

[Source Code](#) | [Live Demo](#)

- Developed real-time multiplayer gameplay using Socket.IO and WebSocket connections.
- Integrated voice chat and text messaging, allowing players to communicate seamlessly during matches.
- Implemented multi-user room management with support for both active players and spectators.

QGenius - Personal Note Generator

[Source Code](#) | [Live Demo](#)

- Built an AI-powered academic note generator that produces structured notes with an interactive chat interface for clarifying questions and follow-ups.
- Added user authentication and authorization with protected routes to ensure secure and personalized access.
- Integrated Gemini with Next.js and PostgreSQL, enabling reliable note generation.

SKILLS

- **Generative AI:** OpenAI, Gemini, Vercel AI SDK, HuggingFace
- **Frontend:** React, Next.js, TypeScript, JavaScript, Tailwind CSS, Framer Motion
- **Backend & BaaS:** Node.js, Express.js, Nest.js, Firebase, Firestore, Supabas
- **Databases & Tools:** MongoDB, Mongoose, PostgreSQL, Prisma, Qdrant (Vector DB), Neo4j (Graph DB)
- **Tools & Others:** Git/GitHub, Docker, Postman, LangChain, LangGraph, Cloudinary, Clerk, Razorpay

EDUCATION

- **Ranchi University, Jharkhand :** Bachelor of Computer Applications (BCA), 2023 – 2026 , **Semester 4**
- **Bokaro Ispat Senior Secondary School (BISSS-8/B) :** Science Stream, (Class 12), 2020-2022 – Completed