

Vishal Kumar Thakur

Full-Stack AI Developer

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SUMMARY

Full-stack AI developer building production systems end-to-end — from payment infrastructure and RAG-powered chatbots to computer-vision prototypes. Shipped a live campus food pre-order app with full Razorpay integration, and a RAG chatbot + live pricing API for a family jewellery business. BCA Cybersecurity student with hands-on experience across FastAPI, Postgres/pgvector, React/React Native, and cloud deployment, using AI-assisted workflows like Claude Code to move fast without compromising on architecture.

PROJECTS & EXPERIENCE

Founder & Developer | Hungriees — Campus Food Pre-Order App *Feb 2026 – May 2026*

- Built a full-stack campus food pre-ordering platform: FastAPI backend on DigitalOcean, React Native/Expo mobile app, and Vercel-hosted web frontend.
- Implemented authentication with Clerk Pro and a Neon PostgreSQL database accessed via psycopg3; managed media uploads through Cloudinary.
- Built a complete Razorpay payment integration, including HMAC-based webhook signature verification and idempotency handling to prevent duplicate order processing.
- Designed the order lifecycle (cart → payment → webhook confirmation → fulfillment) to be resilient to retries and network failures.

Developer | Diamond Jewellers — Family Business Website & RAG Chatbot *Mar 2026 – Jun 19, 2026*

- Built and shipped the business's customer-facing site using Astro 5, React, and Tailwind v4.
- Developed a FastAPI backend powering a RAG chatbot using pgvector embeddings on Neon Postgres and Google Gemini for generation, answering customer queries on products and policies.
- Integrated a live gold/silver rate API so pricing stays current with daily market rates.

Developer | CCTV Theft Detection Prototype *May 2026 – Present*

- Built a real-time theft-detection prototype for kirana (small retail) stores using a YOLOv11 model trained and served via Roboflow.
- Wired detections to instant WhatsApp alerts via the Twilio API, notifying store owners in real time of suspicious activity.

LEADERSHIP & COMMUNITY

Founder & President | Mithila KritiKala (NGO) *Jul 18, 2025 – Present*

- Founded a 12A & 80G registered NGO empowering rural women in Madhubani, Bihar through Mithila painting and vocational training, preserving the traditional art form while building income opportunities for artisans.

EDUCATION

BCA — Cybersecurity | Lovely Professional University (LPU) *2024 – Expected Jul 2027*

SKILLS

- Languages & Frameworks: Python, FastAPI, JavaScript/TypeScript, React, React Native/Expo, Astro 5
- Data & AI: PostgreSQL (Neon), psycopg3, pgvector, RAG pipelines, Google Gemini, YOLOv11/Roboflow
- Infrastructure & Tools: DigitalOcean, Vercel, Cloudinary, Clerk Pro, Razorpay API, Twilio API, Git, HMAC/idempotency security
- AI-Assisted Development: Claude Code, prompt engineering, AI pair-programming