

GAURAV SINGH KHATI

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WORK EXPERIENCE

Freelance Full-Stack Developer | Self-Employed

Mumbai | 2025 - Present

- **Invoice and compliance platform:** Invoice wizard with Gemini-based item enrichment and HSN code suggestions, export document generation (COA, MSDS, SDS, IFRA), Excel/PDF/ZIP output, and DHL CSB IV/V shipment filing over SOAP. Cut per-shipment documentation time by about 80%.
- **Customer document portal:** Customers verified against their Shopify orders, plus accounts the admin creates, log in and download their own product certificates (COA, MSDS, SDS, TDS). Gave customers instant self-service access and cut the admin's manual certificate-sending work by about 90%.
- **Inventory and Formula Management System:** Stores chemical stock and compound formulas. The admin picks a formula and a target weight, the system calculates how much of each chemical the batch needs and tracks it as a checklist, then deducts the consumed stock and adds the finished compound. Removed manual per-batch calculations and stock reconciliation, cutting batch planning time by about 70%. Purchase orders can be raised, emailed to suppliers, edited, and cancelled from the same system.
- **Shopify Sales Chatbot:** Answers product and compliance questions from live store and document data, sends certificate PDFs in chat, builds a cart during the conversation, and generates payment links for the products the customer asks for. Handles about 60% of routine product and certificate queries without the admin stepping in.

Backend Developer Intern | Strommer Industries

May 2025 - June 2025

- Built the backend for a digital product catalog with Next.js API routes and MongoDB.
- Wrote filtering APIs for cover type, brand, and model that cut lookup time by 60%, and automated recurring catalog tasks to cut manual work by about 40%.

PROJECTS

InvoPilot - AI Invoice Generator

Next.js, Supabase, Gemini AI | 2025

- Invoice and document system that fills invoices from Gemini suggestions, validates entries, and runs the shipping workflow. Cut invoice creation time by about 80%.

Fashion GenAI - AI Fashion Recommender

FastAPI, React, YOLO | 2025

- Suggests clothing based on facial features detected in an uploaded photo. YOLO models classify garment type, color, and pattern, served through a FastAPI backend with a React frontend.

EDUCATION

BTech, Artificial Intelligence and Data Science, Dwarkadas J. Sanghvi College of Engineering, Mumbai

2022 - June 2026

CGPA: 9.35 / 10

PUBLICATIONS

- **Gaurav Singh Khati et al.** "ExplainableTrip: An XAI-Driven Personalized Travel Recommendation System Using Gradient Boosting and SHAP." *Ingénierie des Systèmes d'Information* (peer reviewed), Vol. 30, No. 5, pp. 1189-1199, 2025.
doi.org/10.18280/isi.300507

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, C++, Java, SQL

Frontend: React 19, Next.js 15, Tailwind CSS, HTML5, CSS3, Bootstrap, Framer Motion, GSAP

Backend and APIs: Node.js, FastAPI, Express.js, Flask, REST APIs, SOAP integration (DHL), Shopify GraphQL APIs, JWT authentication, webhooks

Databases: PostgreSQL (Supabase), MongoDB, MySQL

AI / ML: Google Gemini API (function calling), prompt engineering, TensorFlow, PyTorch, OpenCV, Scikit-learn, YOLO (Ultralytics), SHAP

AI Agents and Automation: Langflow, n8n

Cloud and Tools: Vercel, Railway, Supabase, Firebase, Git, GitHub

ACHIEVEMENTS

- 2nd place in the Think4Good problem-solving competition and 2nd place in the Data Science Competition at VCET College.
- Top 10 in the ScrollHack national level hackathon and 5th place in TechnoGrad 2.0 at DJSCE.