

ANMOL GUPTA

Software Engineer · Full-Stack & Backend Systems

Delhi, India (Originally from Nepal) | +91-9971281123 | anmolguptanpj282@gmail.com | [GitHub: github.com/anmolguptanpj](#) | [LinkedIn: linkedin.com/in/itheanmolgupta](#) | [Portfolio: https://anmolgupta-two.vercel.app/](#)

PROFESSIONAL SUMMARY

Aspiring Software Engineer with hands-on experience building full-stack systems, backend architectures, and analytics-driven business platforms. Began intensive software development in early 2025, rapidly applying engineering principles to solve complex real-world problems in inventory management, multi-vendor commerce, and API-driven automation. Skilled in designing modular, scalable systems with role-based access control, event-driven data workflows, and aggregation-heavy database architectures. Strong drive to master computer science fundamentals and systems design — motivated by the conviction that building unlocks new problems worth solving.

TECHNICAL SKILLS

Languages: C++ · C · Python · JavaScript · TypeScript

Databases & ORMs: MongoDB · PostgreSQL · SQLite · Mongoose · Prisma · SQLAlchemy

Frameworks: Node.js · Express.js · FastAPI · React.js · Next.js · Streamlit · Tailwind CSS

Data & ML: Pandas · Matplotlib · Seaborn · Scikit-learn

Infrastructure: AWS EC2 · NGINX · SSL/Certbot · Vercel · Cloudinary · Redis

Package Management: Poetry · UV · npm · pip

Core Competencies: REST API Design · RBAC · System Architecture · Inventory Analytics · Business Logic Engineering · Modular Systems

PROJECTS

Multi-Vendor Ecommerce Sales Platform

GitHub: [Backend](#) → [github.com/anmolguptanpj/EcommerceV1_Backend](#) [Customer Frontend](#) → [github.com/anmolguptanpj/EcommerceV1_FrontendCustomer](#)

[Supplier Frontend](#) → [github.com/anmolguptanpj/EcommerceV1_FrontendSupplier](#)

Full-Stack Scalable Business Management System | [React.js](#) · [Next.js](#) · [MongoDB](#) · [PostgreSQL](#) · [Prisma](#) · [Redis](#) · [Cloudinary](#) · [Tailwind CSS](#) · [AWS EC2](#) · [NGINX](#)

- ▶ Architected a multi-vendor ecommerce platform with three independent control centers — Admin Panel, Supplier Panel, and Customer Portal — each with isolated access and purpose-built workflows.
- ▶ Implemented Role-Based Access Control (RBAC) across all frontend systems to enforce supplier authorization via admin approval gates before granting operational access.
- ▶ Engineered an inventory transaction audit system that functions as the single source of truth for: sales reporting, purchase tracking, damage analysis, profit margin calculations, vendor performance analysis, and gross profit reporting.
- ▶ Designed event-driven database workflows to automate downstream data creation and trigger API-initiated platform features with minimal manual intervention.
- ▶ Applied aggregation-heavy MongoDB queries to enable cost-effective, high-performance data extraction for analytics and reporting without redundant data storage.
- ▶ Built modular page architecture to improve UI flow, feature extensibility, and scalability as vendor count grows.
- ▶ Deployed production infrastructure on AWS EC2 with NGINX reverse proxy and SSL certificate provisioning via Certbot.
- ▶ Currently extending the platform toward autonomous vendor operations and advanced analytics-driven business intelligence features.

FastAPI Image & Video Sharing Application

GitHub: github.com/anmolguptanpj/FastAPI-Backend-project

Backend-Focused CRUD Media Platform | [Python](#) · [FastAPI](#) · [SQLite](#) · [SQLAlchemy](#) · [Streamlit](#) · [Pydantic](#)

- ▶ Built a full CRUD media-sharing application supporting image and video uploads with structured post management workflows.
- ▶ Integrated FastAPI's native authentication system to protect user-scoped operations and enforce access boundaries on create, update, and delete endpoints.
- ▶ Designed relational data models using SQLAlchemy ORM with a lightweight SQLite backend for rapid local development.
- ▶ Implemented strict request validation and data schema management via Pydantic to ensure API contract integrity.
- ▶ Developed a Streamlit frontend for fast, interactive interface integration without the overhead of a full JS framework.

EDUCATION

[Your Degree Name] · [University Name], [City]

Expected Graduation: [Year]

LANGUAGES

English (Professional Proficiency) **Hindi** (Fluent) **Nepali** (Native)