BACKEND-FOCUSED AI ENGINEER · PUNE, INDIA

Swati Naik

I build the unglamorous half of AI products — *the FastAPI service, the SQL pipeline, the retrieval that decides which document the model is allowed to answer from.* Two and a half years of it, mostly for a banking client.

CONTACT

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BASED IN Pune, India

SKILLS

Backend

FastAPI · Flask · REST APIs · JSON processing · Docker

AI / GenAI

LLMs · RAG pipelines · prompt engineering · semantic search · vector databases

Data

SQL · Pandas · Plotly · Dash

Tools

Postman · Thunder Client · OCRmyPDF · Ghostscript · Git

EDUCATION

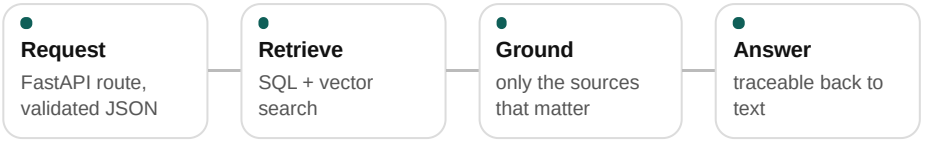
MCA, Computer Applications

Manipal Institute of Technology, Manipal

2022 – 2024

What “backend-focused” means here

Most of an AI feature is not the model. It is the request path around it — and that is the part I own.



The same path runs under ServiceIQ at UBS: service data in, grounded analysis out, sources attached.

Experience

Junior AI Engineer

May 2025 — Present

UBS Investment Bank client engagement · via Atyeti IT Services · Pune

- **ServiceIQ** — built Python APIs and SQL-backed data-processing workflows that feed enterprise service data into dashboards, as part of a larger team-built platform.
- Contributed document-grounded LLM insights to ServiceIQ using retrieval, so generated analysis is anchored in relevant source material rather than the model's memory.
- Built backend automation and pipelines for PDF, Excel and enterprise datasets, cutting manual processing time.
- Shipped production-ready services with client stakeholders: Dockerised deployments, API validation, RCA and debugging to keep them stable.

Data Science Intern

Jan 2024 — Feb 2025

Revealit Solutions · Bengaluru

- Developed REST API endpoints in Python with JSON validation, request parsing and structured error handling.
- Built database-interaction modules and automated data-processing workflows with hash-key-based record management.
- Improved backend data integrity, reducing processing inconsistencies.

Projects

AI job recommendation engine

FastAPI backend for an AI-driven job matching platform, with dynamic SQL query generation behind an agentic chatbot.

PDF redaction module

A pipeline that finds and removes sensitive information in scanned and dynamic PDFs — and actually deletes it, rather than drawing a box over it.

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