

AI Engineer who builds end-to-end AI and data systems. Focused on shipping practical tools using LLMs, RAGs, and Agentic AI Workflows.

Work Experience

RAG ChatBot

Tech: Python, LangChain, OpenAI LLMs & embeddings, Vector Search, Streamlit

- Built a **Retrieval-Augmented Generation (RAG)** system for querying PDFs.
- Implemented **recursive text chunking** with overlap for better context retention.
- Generated embeddings using **OpenAI embedding models** and stored them in a **vector store**.
- Used **LangChain retrievers** for similarity search and context assembly.
- Designed prompt templates to reduce hallucinations and enforce grounded answers.
- Deployed as a **Streamlit web app** with **secure API key handling** and modular pipeline design.

Fitness Tracking AI Agent

Tech: Python, LangChain, Supabase (Postgres), FastMCP, SQL

- Built an AI agent to **log, query, and analyze workout data via natural language**.
- Used **LangChain** to orchestrate tool calls, memory, and structured outputs.
- Designed a **PostgreSQL schema on Supabase** for workouts, exercises, and sessions.
- Implemented **natural-language → SQL querying** to fetch historical workout data.
- Deployed a lightweight **MCP server using FastMCP** to expose workout logging and query tools.

Top Skills

- Python** — Core language for AI systems; built modular LLM pipelines, agents, and data services with clean abstractions and production-ready code.
- LLMs & Generative AI** — Retrieval-Augmented Generation (RAG), prompt design, tool calling, agent orchestration, hallucination control, and response grounding.
- Vector Search & Embeddings** — Text chunking with overlap, similarity search, embedding generation, and vector store integration for document Q&A systems.
- Databases & Storage** — PostgreSQL (Supabase), schema design, relational modeling, and natural-language → SQL querying.
- APIs & Backend** — Designed and deployed lightweight AI services using FastAPI and FastMCP; exposed model tools and data endpoints.
- Deployment & Tooling** — Streamlit (prototyping), GitHub, Docker (basics), cloud platforms (Azure/GCP fundamentals), secure secret management.

Education

MS : Data Architecture & Management Northeastern University, Boston	2022 - 2024
B.Tech : Computer Engineering NMIMS University, Mumbai	2018 - 2022

About me

[My Portfolio](#) | [My GitHub](#)