

Contact

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Top Skills

FastAPI

Streamlit

Chroma

Certifications

Fundamentals of Prompt Engineering Course: ChatGPT Prompt Engineering for Developers

Data Handling and Processing Course: Preprocessing Unstructured Data for LLM Apps

Introduction to API Wrappers Course: Getting Started with Generative AI API Specialization

Multi AI Agent Systems with crewAI

Build Autonomous AI Agents From Scratch With Python

Sawaira Asghar

AI Engineer | Building Production LLM & RAG Applications | AI Agents, LangGraph | Python, Deep Learning | Django | Real-World AI Products

Punjab, Pakistan

Summary

I am a Generative AI Engineer with hands-on experience developing production-ready AI systems using LLMs, RAG pipelines, multi-agent workflows (LangGraph), and machine learning techniques. I specialize in building high-performance AI applications that automate processes, improve decision-making, and deliver measurable business value.

My strengths include:

Designing RAG-based search and recommendation systems

Building LangGraph agentic workflows for complex reasoning

Fine-tuning LLMs using LoRA / PEFT

Developing scalable backend APIs using Python, Django, and Flask

Working with TensorFlow, PyTorch, and Hugging Face models

Implementing semantic search, embeddings, and vector databases

I thrive in environments where innovation, ownership, and problem-solving are valued. I am committed to delivering clean, reliable solutions—and transforming real-world challenges into intelligent, automated systems.

Open to: AI Engineer, Machine Learning Engineer, Generative AI Engineer roles

GitHub: github.com/Sawaira-0316

Experience

Mid-Chain Technologies

1 year 3 months

Junior AI Engineer

January 2025 - Present (1 year)

Remote

Built AI-driven applications using LLMs, RAG, and LangGraph multi-agent workflows

Developed Python & Django-based AI microservices handling 1,000+ daily requests

Implemented RAG pipelines using FAISS + Sentence Transformers improving search accuracy by 50%

Designed Prompt Engineering strategies to optimize model performance and reduce hallucinations

Integrated Llama 2/3, GPT models, and HuggingFace models into production use cases

Delivered AI prototypes such as recommender systems, medical assistants, and invoice automation tools

AI Intern (

October 2024 - December 2024 (3 months)

Lahore, Punjab, Pakistan

Built ML models for classification, embeddings, and semantic search

Developed early RAG prototypes and prompt-based applications

Contributed to backend APIs using Python + Django

Collaborated with senior AI engineers to deliver client-facing AI tools

Education

The Islamia University of Bahawalpur

Completed, Computer Science · (August 2021 - January 2025)