

Zaheer Ahmed

Generative AI Engineer

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Summary

AI **Automation** and Intelligent Systems Engineer specializing in LLMs, RAG pipelines, and multimodal models, with expertise in building autonomous AI agents, integrating 20+ external APIs, and deploying scalable solutions using Docker and FastAPI. Adept at designing end-to-end AI platforms that enhance **agentic workflows** and deliver enterprise-grade, production-ready AI applications.

Education

Arid Agriculture University <i>Bachelor of Science in Artificial Intelligence –BSAI</i>	Sep 2022 – Ongoing
PANAVERSITY <i>Agentic AI Engineer</i>	June 2023 – Ongoing

Skills Summary

➤ Languages:	Python, JavaScript, Typescript, C++.
➤ Backend & APIs:	FastAPI, GraphQL, OpenAI APIs.
➤ Generative AI:	LLMs, Langchain, Fine Tuning, Rag Systems.
➤ Agentic AI Frameworks:	Crewai, Langraph, OpenAI Agents SDK.
➤ DevOps Tools:	Docker, GitHub, Azure.
➤ Databases:	PostgreSQL, VectorDBs.
➤ Soft Skills:	Communication, Continuous Learning, Problem-Solving, Emotional Intelligence.

Experience

DataSAZ Solutions <i>AI Engineer</i>	Oct 2024 – Ongoing
<ul style="list-style-type: none">Develop advanced AI solutions, including fine-tuned LLMs and agentic AI systems for enterprise applications.Build and scale microservices with FastAPI, Kafka, and Kong API Gateway, deployed on Azure Cloud.Design and implement CI/CD pipelines using Docker and Azure DevOps for efficient development workflows.	
Thunderbird Technologies <i>Software Developer</i>	Jul 2024– Sep 2024 , July 2025 – Ongoing
<ul style="list-style-type: none">Developed scalable, cloud-hosted APIs for e-commerce and notification services using Azure Cloud and Next.js.Implemented Kafka-based event streaming systems integrated with AI microservices.Gained hands-on experience in full-stack development with Next.js (frontend) and Node.js (backend), deployed on Firebase.	
PIAIC <i>Agentic AI Engineer</i>	July 2023 – Ongoing
<ul style="list-style-type: none">Specialized training in AI pipelines, MLOps, and scalable cloud-based AI solutions.Hands-on experience with real-world projects, focusing on agentic AI workflows and practical applications.Collaboration with industry mentors to design and deploy production-grade intelligent systems.	
Fiver <i>Freelance AI & ML Engineer</i>	Sep 2024 – Ongoing
<ul style="list-style-type: none">Deliver tailored AI solutions, including custom chatbots, LLM fine-tuning, and agentic AI workflows for diverse enterprise needs.Build scalable microservices with FastAPI, Next.js, and Kafka, seamlessly integrated with cloud platforms like Azure.Provide AI consulting services with a focus on automation, intelligent system design, and end-to-end solution architecture.	

Real Time Projects

Autonomous Research Agent <i>LangGraph, OpenAI APIs, Next.js</i>
<ul style="list-style-type: none">Built an autonomous research agent that independently gathers, analyzes, and synthesizes information using LangGraph and OpenAI APIs.Designed a responsive Next.js interface to visualize agent reasoning steps and research outputs for end-users.Implemented task decomposition, memory management, and recursive refinement to handle complex research tasks.
Multi-Agent Workflow Automation <i>CrewAI, FastAPI, PostgreSQL</i>
<ul style="list-style-type: none">Developed a cooperative multi-agent system that automates business workflows with task delegation, quality control, and inter-agent communication.Designed a custom orchestration layer for seamless agent collaboration and workflow reliability.Integrated PostgreSQL-backed data pipelines to log agent decisions, performance metrics, and workflow outcomes.
RAG-Powered Knowledge Base <i>LlamaIndex, Faiss, LangChain, Next.js</i>
<ul style="list-style-type: none">Created an intelligent document processing system that combines retrieval-augmented generation with hybrid search, contextual recommendations, and automated knowledge graph construction from unstructured data.Leveraged LlamaIndex and Faiss for efficient retrieval-augmented generation and scalable knowledge management.
AI Agent Marketplace <i>React, FastAPI, LangGraph</i>
<ul style="list-style-type: none">Engineered a scalable platform for creating, configuring, and deploying custom AI agents, featuring advanced configuration tools, real-time performance monitoring, and automated testing frameworks.Developed a scalable architecture supporting agent lifecycle management and marketplace features.

Certificates

❖ <i>Developing AI Applications with Python and Flask</i>	Coursera / 2024
❖ <i>Machine Learning with Python</i>	IBM / 2023
❖ <i>Data Analysis with Python</i>	IBM / 2023