

Muhammad Zeeshan

Full Stack AI Engineer | Founder, ZorceX

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SUMMARY

Full-Stack AI Engineer with 4+ years of hands-on experience designing and deploying production-ready ML, LLM, and Agentic AI systems. Proven track record across 7+ international hackathons and deep expertise spanning agent frameworks (LangChain, LangGraph), AI automation (n8n, Make.com), deep learning (TensorFlow, PyTorch), and full-stack development (Python, React, Flutter). Certified by AWS, Microsoft Azure, Stanford, IBM, and Google. Passionate about building scalable AI products that solve real-world problems.

CORE SKILLS

AI / ML: Machine Learning, Deep Learning, NLP, LLMs, CNNs, LSTMs, RAG, Fine-Tuning

Frameworks & Libraries: LangChain, LangGraph, TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy, OpenAI API

Development: Python, React, Flutter, Java, Flask, Streamlit, SQL, REST APIs, Docker

Cloud & Tools: AWS, Azure, Supabase, n8n, Make.com, Git, Quarto

Soft Skills: Problem-Solving, Analytical Thinking, Communication, Collaboration

EXPERIENCE

AI Engineer – Certification Program | Deep Embed Lab | Pak AI Vision Group, Silicon Valley, USA Jun 2023 – Jun 2024

- Completed 4 end-to-end projects covering CNNs, LSTMs, GANs, Autoencoders, Random Forests, SVM, and PCA across real-world ML and DL scenarios.
- Deployed Flask-based inference APIs, demonstrating production-grade model serving practices.

AI Trainee | PM's Youth Skills Dev. Program (NAV TTC), Pakistan Mar 2023 – Sep 2023

- Gained applied expertise in supervised, unsupervised, and reinforcement learning with structured dataset pipelines.
- Graduated as a Top Performer recognized by Pak Angels USA & HEC Pakistan (GenAI Cohort-I, 2025).

AI Automation & LLM Practitioner | LLM Trailblazers Program | GenAI Bootcamp | Break with Data 2023 – 2025

- Researched and implemented advanced LLM techniques: retrieval-augmented generation (RAG), model fine-tuning, and prompt engineering.
- Collaborated in data-centric community challenges (ML 30-Day Challenge), sharing reproducible insights with peers.

INTERNATIONAL HACKATHONS

AI Agents on Arc with USDC Hackathon – Remote

AI Agent Developer | GitHub | [Certificate](#) | Nov 2025

Built an AI agent for autonomous blockchain transactions and decision-making using LLMs and APIs.

Agentic AI Hackathon (IBM watsonx Orchestrate) – Remote

AI Systems Developer | GitHub | [Certificate](#) | Dec 2025

Developed an agentic AI system for intelligent workflow automation using IBM watsonx and LLMs.

Global AI Hackathons (MIT) – Hack-Nation | Remote

Full-Stack AI Developer | [GitHub](#) | [Certificate](#) | Feb & Nov 2025

Built and deployed multiple full-stack AI applications and automation agents using Supabase, React, APIs, and OpenAI during MIT hackathons.

World's Largest Hackathon – Bolt | Remote

AI Web Developer | [GitHub](#) | [Certificate](#) | Jul 2025

Developed an AI-powered web application using React, OpenAI, and Supabase for large-scale problem solving.

Projects

- **AI Medical Assistant:** Full-stack healthcare app with AI-driven consultations, secure data handling, and appointment flows.
- **Cancer Detection Suite:** Breast cancer prediction ML model + CNN skin lesion classifier, deployed via Flask API.
- **AI Credit Risk Advisor (RAG):** Retrieval-augmented system delivering intelligent credit risk insights from financial documents.
- **Image Fine-Tuning Pipeline:** End-to-end SDXL/Flux text-to-image training pipeline with custom dataset preprocessing.
- **Metrics Chatbot (RAG):** Business metrics assistant (ROI, CAC, LTV) built on LangChain with vector store retrieval.
- **Carbon-Aware AI System:** A tool to benchmark and reduce AI model carbon footprint during training and inference.
- **Task Management SaaS:** Jira/ClickUp-style team collaboration platform with real-time updates.
- **Sentiment Analysis Dashboard:** NLP-driven Streamlit app to classify product reviews and visualize public opinion trends.
- **Ad Tracking Platform:** Real-time analytics engine for marketing campaign performance monitoring.
- **Automated Analytics Reports:** Python + Quarto pipeline generating dynamic PDF reports from live data sources.

Certifications

- AWS Certified Solutions Architect – Associate
- Machine Learning Specialization – Stanford/Coursera
- Microsoft Certified Azure AI
- IBM AI Engineering Professional Certificate
- Google Data Analytics Professional Certificate
- Generative AI: Prompt Engineering – Coursera
- Machine Learning in Production – Coursera
- NAVTTC PM's Youth Skills Certification

EDUCATION

B.Sc. Computer Science (Artificial Intelligence) | Islamia University Bahawalpur, Pakistan 2022 – 2026

- Relevant Coursework: Machine Learning, Deep Learning, NLP, AI System Design.
- Extracurriculars: Captain – Men's Cricket Team | Senior Executive – AI Club.

FSC Pre-Engineering — Moon College, Bahawalpur (2021) | Matric — Moon School, Bahawalpur (2018)

HONORS & ACHIEVEMENTS

- Recognized as Top Performer — Generative AI Training Cohort-I, Pak Angels USA & HEC Pakistan (2025).
- Solved 100+ algorithmic problems on LeetCode, demonstrating consistent DSA proficiency.
- Participated in 7 national and international hackathons (2024–2026), winning recognition in multiple events.