



JAWAD AHMED

GENAI / MACHINE LEARNING ENGINEER



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Remote



LinkedIn Profile



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EDUCATION

BS Information Technology

University of Sargodha

Graduating Sep 2026 (CGPA 3.70)

CERTIFICATIONS

Certified GenAI Application Developer

ML/AI Engineer Certificate

Code Fusion Hackathon Winner (2025)

TECH CATEGORIES

GenAI: RAG, LLaMA

Data: Vector DBs, SQL

Vision: CNNs, Keras

SUMMARY STATEMENT

Forward-thinking Generative AI & Machine Learning Engineer specialized in building scalable LLM solutions and end-to-end ML pipelines. Expert in RAG architectures, Vector Search, and Semantic Engine Optimization. High-performing IT student (CGPA 3.70) with a proven ability to deliver responsible, secure, and cost-effective AI solutions regarding enterprise-grade digital transformations.

CORE QUALIFICATIONS

- Advanced RAG Architecture & Agentic Workflows
- Large Language Models & Prompt Engineering
- Vector Databases (Pinecone, ChromaDB) & Embeddings
- Python, FastAPI, RESTful Microservices Design
- Computer Vision (CNNs, Image Classification)
- MLOps (CI/CD, Docker, Experiment Tracking)

PROJECT EXPERIENCE

Enterprise Knowledge Manager AI Agent

RAG Architecture / FastAPI / Vector Search

- Developed an autonomous RAG-based agent to process unstructured PDFs and documents for high-precision information retrieval.
- Integrated vector search pipelines with FastAPI to deliver scalable, low-latency AI responses (<150ms).

GenAI-SEO: Generative Engine Optimizer

LLM Optimization / Semantic Search

- Designed a novel framework to optimize digital content for AI-driven search (GEO), improving citation probability in LLM outputs.
- Utilized semantic search strategies to align enterprise data with GenAI response windows.

Environmental & Agricultural Diagnostics

Computer Vision / MLOps / CNN

- Deployed CNN models for Smog/Fog classification and Crop Disease detection (Tomato/Wheat) using Deep Learning.
- Implemented full experimentation tracking and model evaluation cycles to ensure production-ready accuracy.