Ali Asadullah Shehbaz

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Objective

Passionate **AI/ML Engineer** skilled in developing and deploying intelligent systems using **LangChain, RAG, and Qdrant Vector DB**. Experienced in building **end-to-end ML/DL pipelines** with Python, TensorFlow, and Scikit-learn. Currently exploring **Generative AI, Agentic Workflows, and LLM Applications** with Gemini API. Seeking opportunities to apply advanced AI technologies in impactful real-world projects.

Experience

Data Science Intern – Skilled Score | Aug 2025 – Sep 2025

- Built an **end-to-end data pipeline** for book analysis and insights extraction.

- Developed and optimized **machine learning models** for predictive analytics.

- Conducted **time series forecasting** using Prophet and ARIMA.

- Enhanced data preprocessing, visualization, and feature engineering processes.

- Awarded Internship Completion Certificate for exceptional project delivery.

Projects

- **AI Memory Agent (Gemini API + LangChain + Qdrant + MySQL)** – Built an intelligent agent with persistent memory and retrieval-augmented generation (RAG) using Gemini API, LangGraph, and Qdrant Vector DB.

- **AI Weather Agent (Streamlit + Gemini API)** – Developed a chat-style AI Weather Assistant using Chain-of-Thought reasoning and tool calling to fetch real-time weather data.

- **Heart Disease Prediction** – Implemented EDA and ML pipelines for disease classification.

- **Sales Forecasting (Prophet & ARIMA)** – Modeled future sales trends using time series forecasting.

- **IMDB Sentiment Analysis (LSTM)** – Built an NLP-based sentiment classifier using recurrent neural networks.

- 🖼 **CNN Image Classifier** – Developed a deep learning model for image recognition tasks.

Skills

Programming: Python, SQL
AI/LLM Tools: LangChain, Hugging Face, RAG, Qdrant Vector DB
Frameworks: TensorFlow, PyTorch, Keras, Scikit-learn
Libraries: Pandas, NumPy, Matplotlib, Seaborn, Plotly
MLOps Tools: Git, Docker, Streamlit,FastAPI , MLflow
Core Concepts: Model Evaluation, Feature Engineering, Hyperparameter Tuning, Neural Networks, CNNs, RNNs, NLP, Transfer Learning

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Education

BS Computer Science (AI Specialization) – GC University Lahore
Expected Graduation: 2026
Relevant Courses: Machine Learning, Neural Networks, NLP, Deep Learning, Statistics

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Certifications

- End-to-End Machine Learning – DataCamp

- Introduction to Deep Learning with Keras – DataCamp

- Supervised ML with Python – MindLuster

- Machine Learning & AI for Beginners – Udemy

- Project Management Diploma – Udemy

Achievements

- **Kaggle Notebook Expert** – Recognized for high-quality ML/DL notebooks

- **Kaggle Competition Contributor** – Experience with real-world predictive modeling tasks

Soft Skills

Analytical thinking • Problem-solving • Team collaboration • Effective time management • Research-oriented learning