

Yasir Wali

AI/ML Engineer

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Summary

- AI/ML Engineer skilled in building scalable systems and deploying ML pipelines with MLOps tools like Docker, Git, and AWS. Experienced in Generative and Agentic AI using LLMs, LangChain, and LangGraph to create autonomous, reasoning-driven AI solutions.





Work Experience

- **Data Science Intern — 10Pearls Pakistan (Remote)** September 2025 – Present
 - Developing an Air Quality Index prediction system using real-time API data and machine learning.
 - Implementing CI/CD pipelines for continuous integration, model retraining, and deployment.
- **AI/ML Intern — Siber Koza Alpha (Onsite)** July 2025 – September 2025
 - Built LangGraph-based agent workflow to detect and manage cyberattacks.
 - Created RAG chatbot with LangChain and LLaMA 3 for accurate, explainable answers.

Education

- BSc Artificial Intelligence** (NUML), Islamabad Expected 2026
- Relevant Coursework: NLP, Computer Vision, Data Mining, Big Data Systems
 - GPA: 3.3/4.00

Projects

- **AI Virtual Try-On System**
Developed a deep learning-based virtual try-on system using computer vision to digitally overlay outfits on users. The model enhances online fashion experiences by enabling realistic garment fitting and visualization.
- **Phishing-and-DDoS-Detection-Agent** 
Real-time AI-powered system that detects phishing emails and DDoS attacks using VirusTotal, rule-based analysis, and LLM-driven pattern recognition.
- **Skin Cancer Classification using EfficientNetB7** 
Uses EfficientNetB7 with Transfer Learning to classify skin cancer images as Malignant or Benign. Trained on Kaggle dataset using TensorFlow/Keras in Google Colab.
- **Search Engine Agent** 
Smart Streamlit chatbot using LangChain and LLaMA 3 for web, Wikipedia, and Arxiv search with reasoning.
- **F1 Racing ETL Pipeline** 
Complete Azure-based ETL pipeline using Data

Technical Skills

- **Languages:** Python, SQL
- **ML/DL Frameworks:** TensorFlow, PyTorch, Scikit-Learn
- **Generative AI:** LLMs, LangChain, LangGraph, Prompt Engineering
- **NLP/CV Tools:** NLTK, OpenCV, Transformers (Hugging Face)
- **Deployment/Tools:** Streamlit, FastAPI, MLflow, Git, GitHub Actions, Docker, Azure, AWS

Certifications

- **Oracle Cloud Infrastructure 2025 Data Science Professional (1Z0-1110-25)**  (Oracle)
- **Complete Generative AI with LangChain and HuggingFace by Krish Naik**  (Udemy)