

M Farhan Mughal

+92-3021822728 | sardarfarhanmughal627@gmail.com | [LinkedIn](#) | [GitHub](#)

SUMMARY

Aspiring **AI professional** equipped with hands-on experience in **machine learning, deep learning, Agentic Ai and data science**, gained through real-world projects and top-rated certifications. Skilled in **Python** and working with **large language models**. Passionate about transforming complex data into intelligent solutions and exploring the potential of intelligent systems to create meaningful impact.

EDUCATION

National University of Modern Languages (NUML)

Bachelor of Science in Artificial Intelligence

Islamabad, Pakistan

Feb. 2022 – Jan. 2026

- Among the top 3% of the batch
- CGPA: 3.5 / 4.0

EXPERIENCE

Tech-Intern - Knodemy NSTP | (1 Month) [\(Link\)](#)

Oct 2025

Hybrid

- Contributed to developing and training AI agents integrated into educational platforms to enhance interactivity and personalized learning experiences.
- Organized and facilitated interactive AI learning sessions and workshops for K–12 learners, promoting engagement and understanding of emerging technologies.

AI developer Intern - Wise Tech | (5 Month) [\(Link\)](#)

Jan. 25 - June 2025

Hybrid

- Contributed to the development, optimization, and evaluation of machine learning models, including data preprocessing, feature engineering, and performance tuning.
- Conducted data analysis and technical research, demonstrating strong problem-solving skills, clear technical communication, and professional teamwork.

Subject Guide / Tutor - Bright Head Academy | (6 Months) [\(Link\)](#)

Jan. 24 – June 2024

Remote

- Guided and mentored students in Artificial Intelligence, Machine Learning, and Python programming projects, ensuring both theoretical understanding and practical application.
- Supported international students (US, UK, Canada, Europe) by supervising projects and simplifying complex AI/ML concepts to improve problem-solving skills and align outcomes with industry standards.

PROJECTS

Smart Irrigation System (FYP) | *Python, NN, ESP32, Arduino, React Native Mobile App*

2025

- Developed **Neural-Network model** using sensor + WeatherAPI data, achieving 98% irrigation prediction accuracy.
- Implemented GPT-powered recommendations, reducing manual intervention.

Agentic Chatbot with RAG and Tools | *LangChain, LangGraph, FAISS, OpenAI, Streamlit*

2025

- Developed an **agentic AI chatbot** capable of retrieving and reasoning over external knowledge using **RAG**.
- Integrated multiple **tools and APIs** to enable task automation and contextual responses.
- Built a **Streamlit interface** for interactive queries and real-time AI assistance.

CERTIFICATIONS

Fine Tune BERT for Text Classification with TensorFlow – [Coursera](#)

Introduction to Generative AI – [Googlecloud](#)

Python for Everybody – [Coursera](#)

Computer Vision and Image Processing – [Coursera](#)

Generative AI with AWS – [Udacity](#)

TECHNICAL SKILLS

Programming: Python, R, SQL, C++, Java

ML/DL: Neural Networks, CNNs, RNNs, TensorFlow, PyTorch, Model Optimization

NLP: Text & Speech Processing, Sentiment Analysis, Transformer Models

Big Data/GenAI: Data Mining, Streamlit, LangChain, LangGraph, FastAPI, Pydantic

Tools: Jupyter, Colab, Scikit-Learn, Pandas, NumPy, Matplotlib, Git, Flask, Vertex AI

Automation/ Cloudplatforms: n8n.io, AWS, Sagemaker

Soft Skills: Problem Solving, Analytical Thinking, Teamwork, Communication