\+92 334 7777081 **♀** Lahore, Pakistan

✓faridkhan7777081@gmail.com

Farid Khan

Data Scientist/ ML Engineer

Oportfolio/farid github/faridkhan081 **in** linkedin/faridkl

Passionate Machine Learning Engineer currently working at SDSol Technologies. Skilled in Deep Learning, Computer Vision, Natural Language Processing, and Data Science, Generative-Al and Large Language Models (LLMs) with a strong commitment to research and development.

SKILLS

Programming Languages Python, R (Basic), SQL

Generative AI LangChain, LlamaIndex, OpenAI, HuggingFace, Gemini, Open-AI, DeepSeek

Keras, TensorFlow, OpenCV, FastAI, PyTorch, Transformers, NLTK **Deep Learning**

Machine Learning Numpy, Pandas, scikit-learn, Matplotlib, Seaborn

Tools VS Code, Jupyter-Notebook, Google Colab, Kaggle, Microsoft Fabric

Git, FastAPI, Gradio, Streamlit, SeekrFlow **Technologies**

Soft Skills Time Management, Leadership, Communication, Team Work

TECHNICAL EXPERIENCE

Machine Learning Engineer

SDSol Technologies

June 2024 — Present

Lahore, Pakistan

- Developed an Al-powered code review system using Gemini Flash API to evaluate syntax, security, performance, and documentation, enhancing developer productivity and code quality.
- Built an Al-driven RAG chatbot using LlamaIndex and Pinecone for SDSol's website, enabling intelligent, context-aware query
- Developed an AI-based test case generation system, utilizing LLMs to automate test writing with appropriate testing frameworks (e.g., pytest, JUnit, Mocha), reducing manual effort and improving test automation.
- Created a real-time route optimization API for delivery logistics, integrating Geopy, OpenAI SDK, and OSRM API to enable dynamic, time-efficient rider allocation and interactive route visualization.
- Automated image annotation workflows by developing a Label Studio ML backend using YOLOv8, significantly improving annotation efficiency and accuracy.
- · Designed and deployed ML APIs with FastAPI, integrating YOLOv8-based detection, image classification, and regression models for scalable AI deployment.
- Developed a predictive sports chatbot using SeekrFlow and and classification model using Ensemble methods analyzing NBA **NFL** historical data to provide game and player performance predictions.
- Conducted RD on Al-powered behavior recognition and anomaly detection systems for real-time surveillance applications, leveraging CNNs, RNNs, and Transformers on datasets like UCF-Crime Kinetics-700, achieving a 9 percent improvement in anomaly detection accuracy and reducing false positives in real-time monitoring.
- Fine-tuned DeepSeek-V3 on a sentiment analysis task to evaluate its performance in a local environment, assessing accuracy, inference speed, and resource efficiency.

EDUCATION

Bachelor of Computer Science, COMSATS University

Talent Hunt Merit Scholarship, COMSATS University

September 2020 — July 2024

CGPA: 3.35

Relevant Courses: Machine Learning, Artificial Intelligence, Data Science, Computer Vision, Bioinformatics

CERTIFICATIONS

Machine Learning Specialization, Stanford Online

October 2023

· Al for Everyone, Stanford Online

August 2023

Neural Networks and Deep Learning, Stanford Online

April 2024

July 2024

REFERENCES

Muaaz Hafiz

Project Manager, SDSol Technologies

· Generative AI with LLMs, Stanford Online

Email: muaaz@sdsol.com

Qaiser Abbas

Senior Machine Learning Engineer, SDSol Technologies

Email: abbas.qaixer@gmail.com