ZURIA TAHIR

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Objective

Data Science graduate seeking a role as Data Scientist, AI/ML Engineer, or Associate Software Engineer to apply expertise in machine learning, deep learning, and analytics. Passionate about creating intelligent solutions that solve real-world problems and drive business growth

Technical skill

Languages & Tools: Python, Sql , Power BI,Selenium
Specialties: Machine Learning, AI, Computer Vision,NLP, Data Analysis, Data Visualization,RAG
Frameworks/Libraries: PyTorch, Matplotlib,Tensorflow ,scikit-learn,OpenCV , Hugging Face Transformers, Sentence-Transformers, FAISS
MLOps & Deployment: Flask, Streamlit, GitHub

PROJECTS

KSFormer-Skin lesion Segmentation.   June 2025

- Developed deep learning–based skin lesion segmentation system for early disease detection.
- Achieved up to 96% Dice score with high IoU, precision, and recall.
- Deployed using Flask + MySQL with automated preprocessing and inference pipeline.
- Technologies: Python, PyTorch, Numpy, OpenCV, Flask, MySQL, HTML/CSS, JavaScript.

Wikipedia RAG Chatbot – NLP & Vector Search   Sept 2025

- Built a RAG system to answer natural language queries using Wikipedia.
- Created embeddings with Sentence-Transformers and optimized retrieval via FAISS.
- Integrated H ugging Face Inference API (Mistral-7B) for contextual answers.
- Processed 1,000+ articles into embeddings & metadata for efficient indexing.
- Technologies: Python, Pandas, NumPy, FAISS, Sentence-Transformers, Hugging Face API, Flask

EDUCATION

Bachelor of Data Science, GIFT University, Gujranwala   Dec 2021 – Sep 2025

CERTIFICATION [Full List]

NumPy Masterclass — Udemy (2024) │ CSS, JavaScript, PHP & Python Programming — Udemy (2024) │ Google Sheets — Google Cloud (2025) │ GenAI Job Simulation — BCGX (2025) │ Data Science & Analytics — HP Life (2025) │Data Visualisation — TATA (2025) │ Fundamentals of Text Data Manipulation — CodeSignal (2025)