

ZAHEER KHAN

Data Scientist | AI Engineer

Manzoor Colony, Karachi, Pakistan

☎ +92-3412324184 ✉ mydocument783@gmail.com 🌐 Za-heer-ali 📧 Za-heer

EDUCATION

Federal Urdu University (FUUAST)

Bachelor of Science in Statistics

Feb 2021 – Dec 2025

Karachi, Pakistan

Steps College

Intermediate in Computer Science

Aug 2019 – Jun 2021

Rawalpindi, Pakistan

TECHNICAL SKILLS

Programming Languages: Python, JavaScript

Libraries & Frameworks: Pandas, NumPy, TensorFlow, PyTorch, Keras, FastAPI, Flask, HTML, CSS, REACT JS

Technologies: Machine Learning, Deep Learning, Computer Vision, Natural Language Processing, Open-source LLM Models(OpenAI, Llama3, Gemini) Web Development

Tools: Git, Jupyter Notebook, VS Code, Google Colab, Kaggle

Soft Skills: Problem-Solving, Communication, Collaboration, Adaptability, Attention to Detail

PROFESSIONAL EXPERIENCE

S.M.I.T

Data Scientist - Intern

Jul 2025 – Present

Karachi, Pakistan

- Collaborated on building and deploying machine learning & deep learning models using Python, TensorFlow, and PyTorch.
- Built and integrated LLM-based applications using APIs from OpenAI (GPT), Meta LLaMA 3, and Google Gemini.
- Contributed to backend integration with FastAPI/Flask APIs, visualization dashboards using Streamlit, and computer vision modules with OpenCV.
- Followed industry practices for version control, reproducibility, and collaborative development.

PROJECTS

Customer Support Chatbot (RAG + FastAPI)

GitHub

- Built an **AI-powered customer support chatbot** using Retrieval-Augmented Generation (RAG) with Hugging Face models and ChromaDB.
- Developed **FastAPI backend** and a responsive front-end UI (HTML, CSS, JS) with user/bot avatars and animations.
- Implemented **session-based memory** for multi-turn conversations and improved prompts for natural, context-aware replies.
- Tech Stack **Python, FastAPI, Hugging Face, ChromaDB, HTML, CSS, JavaScript.**

Pneumonia Identification from Chest X-ray Images

GitHub

- Developed a web-based application to detect pneumonia from chest X-ray images using a CNN model, achieving 85% accuracy on test data.
- Distinguished between bacterial and viral pneumonia in images, aiding potential biomedical applications.
- Prototype supports automated and efficient pneumonia diagnosis through imaging.

AI Assignment Checker

GitHub

- Analyzes Python (.py) and Jupyter Notebook (.ipynb) files for syntax, code quality, and semantics using CodeBERT, Pylint, and custom logic.
- Validates HTML, CSS, and JavaScript for web development assignments.
- Performs basic checks on image files (.jpg, .png) for graphic design assignments.

Movie Recommender System

GitHub

- Implemented collaborative filtering to recommend movies based on user preferences.
- Used Python, Pandas, and Scikit-learn for dataset processing and model implementation.

CERTIFICATIONS

Data Scientist – S.M.I.T

Nov 2023 – Mar 2025

- Mastered Python, Pandas, ML algorithms, deep learning (CNN, RNN), and NLP with hands-on experience.

MERN Stack Developer – Jawan Pakistan

Jan 2022 – Dec 2022

- Proficient in MongoDB, Express.js, React, and Node.js; built full-stack web apps with responsive UI.