EK

EHTSHAM KHALIQ

PROFILE

A professional, passionate, self-motivated Python Developer with a focus in AI. Possess a deep knowledge of ML/DL, Generative AI and API Development using Python. Maintained a successful performance record throughout my career.

CAREER OBJECTIVE

Aiming to serve the community with my Artificial Intelligence capabilities in Python using techniques like Generative modelling, Computer Vision, Natural Language Processing, Transfer Learning and much more. Excited for modern skills like MLOPs, Hoping to serve the community with the best I could.

SOFT SKILLS

- Leadership
- Organizational Behavior
- Good Communicator
- Trustworthy
- Responsible
- Adaptable

EXPERIENCE

PYTHON AND AI ENGINEER • Prograsec • April 2024 – PRESENT
Collaborated with Research team to explore state of the art AI models and finetuning.

- APIs development with Django/FastAPI.
- Machine & Deep Learning Models Development
- Integration of Models in Websites
- NLP and Generative AI (LangChain)

Python Developer• Soft tech • June 2023 – September 2023

- Basic Python OOP
- Learning of Machine & Deep Learning
- Database Administration (ERDs, MySQL, MongoDB, SQLite)
- Django & Django Rest Framework

Mr_ehtsham@yahoo.com   https://github.com/MrEhtsham0   +92-3211848495   LinkedIn

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HARD SKILLS

- Python Programming / OOP
- Scikit learn/ TensorFlow & Keras/NLTK/Spacy
- Finetuning (Hugging Face)
- Django / Flask / FastAPI
- Version Control using Git and DVC
- Containerization using Docker
- GenAI / LLMs / VectorDBs / MySQL / NoSQL
- LangChain / LangGraph / LangSmith

PROJECTS

- **Quora Duplicate Question finder & Google Gemini API KEY:** using NLP, ML Algorithms and Generating Response of duplicate Questions using Gemini API key. (Quora project)
- **Spam or Ham Classification using NLTK**, ML Algorithms, Model Deployed with Flask and **Containerized** using **Docker**.
- **Vocal Molder** Complete Text-to-Speech, Speech to text Voice over, Video Voice Over, Chatbot Implementation and JWT Auth. (Python + FastAPI+TTS+MoviePy)
- **Plant Disease Detection using Transfer Learning.** Use VGG16 in Transfer Learning. Dataset has 15 Classes and more than 20k images. Model Deployment using streamlit and API Development using FastAPI (Plant Disease Model).
- **ECG Signal Detection using TensorFlow and Transfer Learning.** It provides insights into heart conditions like Myocardial Infarction, Coronary Artery Disease, and QT Prolongation using ECG Signals data(.dat and .hea files).

EDUCATION

- BACHELOR OF SCIENCE IN COMPUTER SCIENCE • 2021-2025 • NATIONAL TEXTILE UNIVERSITY, FAISALABAD
- INTERMEDIATE IN PRE-ENGINEERING • 2016-2019 • ZAKARIYA COLLEGE LAYYAH.
- MATRICULATION • 2016 • MILLAT PUBLIC SCHOOL CHOWKAZAM LAYYAH.

CERTIFICATIONS

- DEEP LEARNING WITH TENSORFLOW
  Zero to Mastery Academy • 2024
- MACHINE LEARNING AND DATASCIENCE BOOTCAMP
  Zero to Mastery Academy • 2023
- COMPLETE PYTHON PRO BOOTCAMP
  App Brewery • 2023
  LangChain LanGraph & LangSmith
- **LangChain Academy • 2024-2025**

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