ZAID ULLAH

Python Developer

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▶ Synthetic Programmer

🌐 https://zaidarman.github.io

CAREER SUMMARY

As a Python/Django developer with a burgeoning interest in Machine Learning, I have established a robust foundation in programming, statistics, and data manipulation. Driven by a passion for delving into real-world challenges, I am committed to continuous learning and enthusiastic about leveraging my skills to make meaningful contributions to the ever-evolving field of Machine Learning.

WORK EXPERIENCE

Software Engineer (ASE)   **Samaritan Technologies** (Lahore, Pak)

Fab-2024 – Currently

Currently serving as a Associate Software Engineer at Samaritan Technologies, I have been actively engaged in the organization's software development endeavors. Working within a dynamic team of professionals, I have contributed significantly to the enhancement and development of software solutions. My responsibilities include coding, debugging, AI Embedding Model and as well as developing ML Models, also allowing me to apply and strengthen my skills in software development and problem-solving. Samaritan Technologies has provided an enriching environment for me to rapidly immerse myself in challenging projects and continue my professional growth.

Software Engineer (Intern)   **NTDC** (Lahore, Pakistan)

July-2022 – August-2022

Served as a Software Engineer Intern at NTDC Lahore for duration of two months, where I actively contributed to the organization's software development initiatives. During this internship, I had the opportunity to work on a variety of software engineering projects, collaborating with a dynamic team of professionals. I played a key role in developing and enhancing software solutions, gaining valuable hands-on experience in coding, testing, and debugging. My time at NTDC Lahore allowed me to apply theoretical knowledge to real-world projects and further develop my skills in software development and problem-solving

- Successfully implemented micro-services and REST APIs to efficiently track all employee journeys, accommodations, stays, and taxi charges, enhancing data management and accessibility.
- Demonstrated adaptability and autonomy by defining technical and non-technical workflows, collaborating with 3rd-party apps through Restful APIs, and delivering a comprehensive web-based application for employee tour management in a flat organizational structure.

Special Subject Teacher (Full-Time)   **HIST Hangu** (Hangu, Pakistan)

APR 2017 - AUG 2018 (1.4 yrs)

Served as a Teacher of Computer Science at HIST School & College Hangu.

- Successfully instructed O-Level and A-Level students in Computer Science, providing guidance and mentorship over the course of one year.
- Organized interschool competitions, assigned programming assignments to student groups, & developed engaging console games in C/C++ to enhance students' learning.

EDUCATION

BS in Computer Science   2018-2022
Kohat University of Science & Technology (KUST Kohat)
3.9 / 4.00 CGPA

ICS   2016 - 2017
Hangu Institute of Science & Technology (HIST Hangu)
715 / 1100 B-Grade

PROJECTS

Pulmoni Digital Laboratory (Final Year Project):
- PDL is a digital Web-Based Laboratory system that facilitates to detect the pneumonia of a patient through a web browser. It is the startup and most modern tertiary care private center in the world. This application is working on some latest equipment and technology in various specialties as well as highly qualified technicians.

Tourism Application (NTDC, Lahore):
- Develop an application that is used to keep track of all journeys, accommodations, stays, and taxi charges and generate a full report of an employee's tour of national Transmission and Despetch Company Limited, Lahore.

Hate Speech Detection:
- Developed a hate speech detection model using Streamlit and Hugging Face, enabling real-time classification of language into hate or non-hate speech categories.

House Price Prediction (Applied Data Science Lab, WorldQuant University):
- Develop an application Developed a house price prediction model using a robust data pipeline, incorporating OneHotEncoder, SimpleImputer, and Ridge predictor.
- Demonstrated strong data preprocessing and model selection skills, resulting in accurate predictions and valuable insights for the real estate market.

AI Tourist Assistant:
- Developed an AI Assistant Tourist Guider leveraging OpenAI Langchain, Agents, and Art of AI State to dynamically generate customized tour itineraries. Engineered a sophisticated AI-driven system to provide tailored travel experiences based on user preferences and location data.

SKILLS & TOOLS

Technical
- Python
- Django/ORM/DRF
- ML / DL
- Data Manipulation
- Stats & Math
- Data Visualization
- SQL
- Git / Github
- Data Cleaning
- Pandas / NumPy
- Scikit-Learn
- Pytorch
- Huggingface
- LangChain

Professional
- Effective Communication
- Team Leadership
- Creativity
- Problem Solving
- Self-Motivated

Coursera Certificates
- Python for Everybody
- Python Data Structure
- Using Python to Access web Data
- Exploratory Data Analysis for Machine Learning
- Supervised Machine Learning: Regression

EXTRA
(Awards / Certificates / Activities)

Applied Data Science Lab (WQU):
- Clean authentic, messy datasets
- Build predictive models for regression and classification
- Create compelling visualizations to explain data characteristics and model performance
- Discuss the ethical implications of deploying models in the real world and the environmental impact of machine learning models
- Learn how to apply machine learning to business problems
- Extract data from SQL and NoSQL databases