Talha Aftab

Data Scientist

As a Data Scientist, I am seeking a challenging position in a dynamic organization where I can utilize my skills and experience to drive data-driven decision-making. With a proven track record of successful data analysis, statistical modeling, and machine learning. I am eager to contribute to a team that values innovation and continuous improvement.

✉ talhaaftab77@gmail.com

📍 Rawalpindi, Pakistan

in linkedin.com/in/talhaaftab11

📱 +92 3154986013

📅 01 January, 2000

github.com/TalhaAlam1

WORK EXPERIENCE

Data Scientist
Freelance

02/2022 - Present

Achievements/Tasks

- **Analyzed large datasets** using statistical models and machine learning algorithms to support business decisions Worked with multiple clients on diverse data science projects, delivering valuable insights and solutions.
- **Designing and implementing** machine learning and deep learning models to solve complex problems, optimize process and improve decision-making. This involves data preprocessing, feature engineering, model selection, training and evaluation.
- **Developed predictive models** using machine learning algorithms and evaluated their performance. Created visually appealing and informative data visualizations to present findings to clients.
- **Utilized Python, excel, power bi and Tableau** to perform data cleaning, preprocessing, and exploratory data analysis.

Machine Learning Intern
InfoaidTech

Achievements/Tasks

- My role encompassed diverse responsibilities, from data preprocessing and feature engineering to implementing complex algorithms and fine-tuning models.

Data Science Intern
InternSavy

Achievements/Tasks

- **Data Analysis and Visualization:** Conducted data analysis on datasets. Developed data visualizations using tools like to communicate insights effectively.
- **Machine Learning Experience** : Assisted in building and fine-tuning machine learning models . Contributed to data preprocessing, feature engineering, and model evaluation.
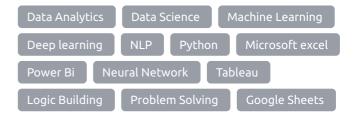
EDUCATION

B.Sc. (Hons) in Physics
Government College University, Lahore

10/2019 - 09/2023

Final Thesis

- I have done Final thesis on **"Theory and applications of dust acoustic wave"**

AREA OF EXPERTISE

Data Analytics | Data Science | Machine Learning | Deep learning | NLP | Python | Microsoft excel | Power Bi | Neural Network | Tableau | Logic Building | Problem Solving | Google Sheets

PERSONAL PROJECTS

'Image Recognition and Object Detection

- In the Object Detection and Image Recognition project, I employed computer vision techniques such as CNNs for object detection and Image feature extraction. I also involved implementing Yolo pre-trained model to improve efficiency and accuracy

Health Stroke data Streamlit App

- Built an interactive web application using the Stream lit framework to analyze and visualize stroke-related health data. Implemented data preprocessing, exploratory data analysis (EDA), and interactive visualizations to provide insights to users.

Custom Chatbot using NLP

- I have Designed and trained the chatbot to understand and respond to user queries using NLP techniques. Utilized natural language processing (NLP) and machine learning algorithms to train a sentiment analysis model.

Deploy ML model using FastAPI

- In this project, I have implemented the machine learning model on the diabetes dataset and deploying the ML model as API in python-FastAPI

Traffic Sign Classification

- I have train a convolutional neural network (CNN) on a large dataset of traffic sign images. and achieving high accuracy in recognizing and classifying various traffic signs, contributing to enhanced road safety.

Student CGPA Prediction using LSTM Bidirectional and Timeseries Generator

- I have developed a LSTM-based model to predict students' cumulative grade point average (CGPA) based on their historical academic performance.Used bidirectional LSTM architecture and Timeseries Generator for efficient sequence modeling and forecasting

CERTIFICATES

Artificial Intelligence course by Navtacc

Huawei Certified Artificial Intellegence

Machine Learning and Data Science by Udemy

Python for Machine Learning by Great Learning