

Zain ul Abideen

Data Scientist | Data Analyst

Innovative and scientifically rigorous Data Scientist who wants to make an impact in a fast-paced environment, collaborate and bring my data science experience to the table. Detail-oriented and always willing to go above and beyond. I have a keen interest in solving real-life problems with insight reporting and predictive modeling.



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EDUCATION

Bachelor of Software Engineering

National University of Science and Technology (NUST)

10/2021 - Present

CGPA: 3.59

Higher Secondary Education (FSC)

Punjab College Lahore

07/2019 - 06/2021

98.4%

PERSONAL PROJECTS

Segmentation of Brain Cancer images

- Annotated 430 images, trained Segformer model for 80 Epochs and got a mean IOU of 85% in semantic segmentation of cancer in brain.

Churn prediction of Telecommunication company

- Prepped the customer's data, applied 10 different classification models and deployed the Xgboost model of 97% accuracy with Heroku. Also made a Power BI dashboard for insight reporting.

Content-based Movie Recommendation engine

- Applied various NLP techniques like Stemming and Count Vectorizer, deployed the project on Heroku with Flask API.

WORK EXPERIENCE

Data Scientist

Upwork/ Fiverr

02/2020 - Present

Remote

Tasks

- Annotated and trained Yolov5 model for detection of paddy rice.
- Aggregated and performed insight reporting on web logs, forecasted the traffic on web pages using Facebook Prophet and LSTM.
- Performed Exploratory data analysis on customers of an online grocery store and applied Agglomerative clustering to get valuable insights leading to increase in sales.

Deep Learning Engineer

Aivarse

04/2022 - 11/2022

Remote

Tasks

- Worked closely with the product team to build an Exercise recognition engine based on ConvLSTM.
- Aggregated and prepped 1200 videos from 4 data sources to train the deep learning model.
- Developed a motion detection algorithm by extracting 32 body points using Blazepose and integrated it within React app.

SKILLS

Python, R

Excel, SQL, MongoDB

Power BI, Tableau

Tensorflow, Pytorch

Opencv, Sklearn

Numpy, Pandas

Matplotlib, Keras

AWS, Git, Docker

Flask, Pyspark

Time Series Forecasting

Heroku, Vercel

Cassandra, HBASE

CERTIFICATIONS

Introduction to Deep Learning and Generative Models (University of Wisconsin- Madison)

Machine Learning A-Z: Hands-On Python & R In Data Science (Udemy)

Tableau A-Z: Hands-On Tableau Training for Data Science (Udemy)

Google Data Analytics Professional Certificate (Coursera)

The Ultimate Hands-On Hadoop - Tame your Big Data (Udemy)

INTERESTS

Photography

Swimming

Table Tennis