

MUHAMMAD HUSSAIN

Junior Data Scientist



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Github-Hussain

SUMMARY

University student with hands-on experience in 20+ data science projects. Seeking a Junior Data Scientist role to apply my skills and grow professionally.

SKILLS

- Deep Learning (ANN, CNN, RNN, SEQ to SEQ)
- Machine Learning
- Basics Mlops
- PyTorch (ANN, CNN)
- Web Scraping
- Python (Numpy, pandas, matplotlib and other libraries).
- Languages (C, C#, C++, Java, Python)
- Basics knowledge of Web development

EDUCATION

BACHELOR OF COMPUTER SCIENCE – FUUAST – Islamabad, InProgress
Semester: 6th, CGPA: 3.39/4

CERTIFICATIONS

- Six Month Computer Diploma from Challenger Computer Skills Centre Skardu.(2019)

PROJECTS

Face Mask Detection using CNN

- Developed a Convolutional Neural Network (CNN) to classify whether a person is wearing a face mask. Implemented Conv2D and MaxPooling layers to extract important features, achieving 93.68% accuracy on the training set and 92.56% on validation data using a Kaggle dataset.

Bike Sharing Demand Prediction

- Built a Machine Learning model to predict bike rental demand based on weather, time, and user behavior. Trained a Random Forest Regression model, achieving an R^2 score of 0.91. Overcame challenges like high Mean Squared Error (MSE) using feature engineering and hyperparameter tuning.

Islamabad House Price Prediction using ANN

- Designed an Artificial Neural Network (ANN) model to forecast house prices in Islamabad, achieving a loss of 0.0018 and a validation loss of 0.0016. Compared the ANN model's performance with traditional machine learning techniques, which resulted in significantly higher losses.

LSTM Model for Class Result Prediction

- Developed an LSTM-based deep learning model to predict student class outcomes, achieving 94% accuracy and a loss of 0.24. Preprocessed textual data by converting it into numerical sequences and optimized the model for better performance.