Sadab Jaowad

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Summary

As a keen data science enthusiast, I have acquired sound knowledge in **prediction analysis** by utilizing various datasets, putting **statistical analysis** for data-driven decision making, **machine learning** and **deep learning** algorithms into train tests, and assessing model performance to produce precise and insightful forecasts. I have worked with cross-functional project groups and exhibited excellent **communication** skills, **presenting** technical concepts clearly and understandably during my academic years. I am driven by a passion for utilizing data-driven insights to make informed decisions and contribute to advancing predictive analysis.

Technical Skills

Programming skills:	Python, SQL
Web:	HTML, CSS
Libraries	Numpy, Pandas, Matplotlib, Scikit-learn,TensorFlow
Misc.	LaTeX, Github, Microsoft Office, Data Science

Research Experience

Undergraduate Capstone Project 2022-2023
East West University
Project title: *"Developing Air Quality Predictions using Deep Learning Architecture"*
Research Supervisor: Mahamudul Hasan

Academic Projects

Analysis on Diabetes Detection Parameters Source Code

The project explores using machine learning algorithms **Decision Tree**, **Random Forest** and **Naïve Bayes** in Python to analyze readily available biological and physiological data, aiming to enhance healthcare through accurate diabetes detection and personalized treatments in our tech-driven era.

Taxi Fare Predictions Analysis Source Code

Conducted thorough data pre-processing, encompassing data cleaning, feature engineering, and normalization, followed by the application of traditional machine learning algorithms such as **Linear Regression**, **Decision Tree Regressor**, and **Random Forest**, to make accurate predictions of taxi fares.

Item-Based Collaborative Memory Networks for Recommendation Source Code

Implementation of the research paper "Item-Based Collaborative Memory Networks for Recommendation" by *Dewen Seng et.al.*

Academic Credentials

2019 - 2023 B.Sc Computer Science and Engineering at **East West University** (CGPA: 2.74/4.0)

- Major in Intelligent Systems and Data Science

2016 - 2018 H.S.C at **Rajuk Uttara Model College** (GPA: 4.17/5.0)
2014 - 2016 S.S.C at **Milestone School and College** (GPA: 5.00/5.0)