MUHAMMAD RIZWAN RIZVI

Phone: +923410289802 **Gmail:** ibnecho1125@gmail.com **Github**: MuhammadRizwanRizvi/ML-Models (github.com)
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OBJECTIVE

I am an enthusiastic computer science student with a track record of invention. I've worked directly on data science and machine learning projects, and I'm excited to put my academic understanding to use in a fast-paced professional environment. I'm looking for an internship with a progressive company where I can develop my abilities, take on real-world problems, and help come up with creative solutions.

EDUCATION

Bachelor of Science in Computer and Information Science **Oct 2021-Present**
Pakistan Institute of Engineering and Applied Sciences, Islamabad

- **CGPA:** 3.26

Intermediate in Pre-Engineering **Aug 2019 - Jun 2021**
Fazaia Inter College , Jinnah Camp, Rawalpindi

- **Percentage:** 97.9%

PROJECTS

Aqua Guage – ML Model

- This project is implemented using machine learning models to predict city rainfall, utilizing algorithms like Linear Regression, KNN, Decision Trees etc.
- Utilized various evaluation metrics including Accuracy Score, Jaccard Index, F1-Score, Log Loss etc.
- To enhance dataset quality and visualization I used Numpy, Matplotlib, and Pandas libraries.

Card Fraud Detection - ML Model

- This model has been trained using Support Vector Machine (SVM) and Decision Tree algorithms.
- It utilized Scikit-Learn and Snap ML Python APIs for model training, supporting Snap ML's high-performance CPU/GPU implementations.
- It incorporated advanced techniques for data preprocessing, model training, and inference assessment, enhancing fraud detection accuracy and efficiency.

TAXI TRIP PRIDICTION - ML MODEL

- This project employs a Decision Tree regression model to forecast tip amounts in taxi rides by utilizing both Scikit-Learn and Snap ML APIs.
- Snap ML's efficient CPU/GPU implementations enhance prediction accuracy and speed.
- The Decision Tree model handles non-linear relationships and complex datasets effectively.

SKILLS

Programming ,Database & Web Development Languages : C,C++,Python, SQL(ORACLE), ASP.NET

ML Techniques and Tools: Numpy, Pandas, Matplotlib, Scikit-Learn

Certifications(From Coursera)

Completed: ML with python, Python for Data Science, AI and Development.

In-Progress: Data Visualization with python, Data Analysis with python.