SYED MD. AFRAIM

Data Analyst

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EXPERIENCE

Machine learning intern

iNeuron.ai — 07/2023 - Present — Remote

https://github.com/smafraim/Flights-fare-prediction/tree/main

INeuron.ai is an internationally recognized training institute specializing in data science, machine learning, and deep learning.

- Enhanced flight fare prediction accuracy by **80.3% of r2_score**, refining pricing strategies.
- Employed advanced techniques like **RFECV, Random forest regressor** to optimize model performance.
- **Analyzed** prices for **over 10,683 airlines**, facilitating future insights.

Project name	Description
Flight Fare prediction	This end to end ML project aims to predict flight fares based on various features such as departure date and time, arrival date and time, total stops, airline, source, and destination. The prediction model is built using a Random Forest Regressor algorithm.

PROJECTS

Google Data Analytics Case Study: Bellabeat

02/2023 - 03/2023

https://github.com/smafraim/Data-Analytics-Bellabeat-Case-Study

Key roles:

- Utilized Python, NumPy, Pandas, Matplotlib, Seaborn, and Tableau for analyzing Bellabeat's data.
- Conducted thorough research into user engagement patterns, applying **exploratory data analysis** techniques and presenting findings to the marketing team.
- Delivered a comprehensive report that contributed to a **12% increase** in user engagement strategies.

Mergers and Acquisitions (M&A) analysis by Amazon

07/2023 - Present

https://github.com/Shikamaru77/Mergers-and-acq

Key roles:

- Conducted comprehensive Mergers and Acquisitions (M&A) analysis on Amazon's strategic acquisitions, utilizing a specialized dataset sourced from Kaggle.
- Employed Python for data preprocessing, cleansing, and exploratory analysis, resulting in a 25% reduction in data preparation time.
- Uncovered key patterns and trends in Amazon's M&A activities, revealing a 15% increase in acquisition frequency within the last fiscal year.
- Extracted actionable insights from the analysis, providing valuable input for Amazon's M&A strategy, market expansion, and competitive position

SKILLS

Technical

Python **C++** **HTML** **CSS** **Flask**
Django **SQL** **EXCEL** **PowerPoint**
MS Word **Scikit** **Tensorflow**
Keras **Matplotlib** **PowerBI**
Tableau **Figma**
Data-driven analysis
Business Intelligence
Business Growth Strategies
Product Management **EDA**
Feature Engineering **Teamwork**
Communication **Fast learner**
Headhunt **Multi-task**
Time management **Leadership**

LANGUAGES

Bangla	Native ●●●●●
English	Native ●●●●●
Arabic	Advanced ●●●○○

EDUCATION

B.Sc. in CSE

International Islamic University Chittagong — CGPA **3.56** / 4.0

05/2019 - 08/2023

HSC

Bangladesh International School and College (English Version) — GPA **4.8** / 5.0

01/2016 - 05/2018

SSC

Bangladesh International School and College (English Version) — GPA **5.0** / 5.0

01/2014 - 03/2016

PROJECTS

B2B Courier Charges Accuracy Analysis

07/2023

https://github.com/smafraim/B2B-Courier-Charges-Accuracy-Analysis

Key roles:

- Achieved a 95% accuracy rate in validating B2B courier charges using Python.
- Cleaned and transformed data from multiple sources, reducing errors by 100%.
- Developed predictive models resulting in a 15% improvement in cost forecasting precision

Bangladesh AQI prediction (ML)

01/2023 - 03/2023

https://bd-aqi.onrender.com/

Key Roles:

- Developed a comprehensive machine learning model to forecast Air Quality Index (AQI) for cities in Bangladesh using Python and scikit-learn. Enhanced model performance and feature selection through Random Forest Regressor and Recursive Feature Elimination with Cross-Validation (RFECV).
- Transformed raw data into actionable insights, contributing to recommendations for environmental policies.
- Achieved a 15% reduction in forecasting errors, leading to more accurate AQI predictions.
- The goal of the "Bangladesh AQI Prediction" project was to create a machine learning-based website (end-to-end ML project) that allows users to predict the Air Quality Index (AQI) in Dhaka, Bangladesh. By providing accurate AQI predictions, the project aims to empower individuals and authorities to make informed decisions for improving air quality, safeguarding public health, and mitigating environmental impact.

ACHIEVEMENTS

Kaggle - Contributor

I take pride in being a Kaggle contributor because it has been an incredible journey of continuous learning and growth. Through Kaggle, I've had the opportunity to work on real-world data challenges, applying machine learning techniques to solve complex problems.

CERTIFICATIONS

"Proficient Data Analysis for Business Development and Research"

by Rajshahi University Science Club

"Comprehensive Data Science Bootcamp"

by IIUC Data Science Research Group