SYED MD. AFRAIM

Data Analyst

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SUMMARY

Aspiring for a rewarding role in Data Analysis, Data Science, or Machine Learning.
Combining 1.5+ years of hands-on expertise in data science and machine learning with over a year of proven excellence in competitive programming. Proficient in Python, Scikit-learn, Seaborn, API requests, SQL, Excel, Flask, Tableau, and Power BI.
Adept at collaborating within diverse teams, possessing strong management skills. Passionate about leveraging data-driven insights to drive innovation and deliver impactful solutions. Eager to contribute and thrive in a dynamic and challenging environment.

WORK 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 by **5%** of what others experimented.
- **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:

- Performed 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:

- 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.

SKILLS

Python **C++** **HTML** **CSS** **Flask**
Django **SQL** **EXCEL** **PowerPoint**
MS Word **Scikit** **Tensorflow**
Keras **Matplotlib** **NLP** **PowerBI**
Tableau **Figma** **Data science**
Data-driven analysis **Data analytics**
Business Intelligence
Business Growth Strategies
Product Management **EDA**
Feature Engineering **Teamwork**
deadline-driven
Typing Speed (60+ wpm)
Communication **Headhunt**
Multi-task **Leadership**

LANGUAGES

Bangla — Native ●●●●●
English — Native ●●●●●

EDUCATION

B.Sc. in CSE

International Islamic University Chittagong
05/2019 - 08/2023
CGPA **3.56** / 4.0

HSC

Bangladesh International School and College (English Version)
01/2016 - 05/2018
GPA **4.8** / 5.0

SSC

Bangladesh International School and College (English Version)
01/2014 - 03/2016
GPA **5.0** / 5.0

PROJECTS

B2B Courier Charges Accuracy Analysis

07/2023

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

Key roles:

- Gained a 95% accuracy rate in validating B2B courier charges using Python.
- Cleaned and transformed data from multiple sources, reducing errors by 100%.
- Created predictive models that led to a 15% enhancement in accuracy for cost forecasting.

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 project secured a 99.998% accuracy rate in predicting AQI values, thereby providing precise information for making well-informed decisions to enhance air quality, protect public health, and reduce environmental impact.

ACHIEVEMENTS

Contributor rank in kaggle

Engaging with kaggle has provided me with a rewarding journey of continuous learning and growth.

Throughout my participation, I've tackled industry based data challenges on the platform, adeptly applying advanced techniques to solve intricate problems.

As a result, I gained a significant 30% improvement in accuracy when solving problems.

CERTIFICATIONS

"Comprehensive Data Science Bootcamp"

by IIUC Data Science Research Group

"Proficient Data Analysis for Business Development and Research"

Rajshahi University science club