SYED MD. AFRAIM

Data Scientist

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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.

EDUCATION

International Islamic University Chittagong

B.Sc. in CSE (2019-2023)
CGPA - 3.6 out of 4.0

Bangladesh International School & College, Jeddah

HSC (2018)
GPA - 4.8 out of 5.0

SKILLS

- Python | HTML | CSS | C++
- Numpy | Pandas | Scikit | Matplotlib | Seaborn | TensorFlow | Keras
- Tableau | Power BI | Excel
- SQL
- Django | Flask
- Render
- Figma
- Ability to work independently and as part of a team

CERTIFICATIONS

- Kaggle - Contributor
- Data Science Bootcamp organized by IIUC Data Science Research Group
- "Mastering Data Analysis For Business Development & Research" by Rajshahi University Science Club

PROFESSIONAL EXPERIENCE

Data Science Intern

iNeuron.ai | March (2023 - Present)

- Acquired valuable hands-on experience in data analysis, utilizing Python, SQL, and Machine Learning. I also honed my data visualization skills and actively participated in real projects. Through collaboration with a team, I further developed problem-solving capabilities and gained proficiency in cloud deployments.

PROJECTS

Google Data Analytics Case Study : Bellabeat 𝑘 | ⚫ | 📊

1. Tools used:
   Python | Matplotlib | Seaborn | Plotly ex | Tableau
2. Goal:
   The goal of the data analysis on Bellabeat was to explore and analyze the relationship between calories, total steps walked, heart rates and its influence on the buying behavior and growth of Bellabeat products.

Flight Fare Prediction (ML) 𝑘 | ⚫ | 🔗

1. Tools used:
   Python | Matplotlib | Scikit-learn | Seaborn | Tableau | Render
2. Goal:
   The business task in this project was to develop a predictive model that can accurately estimate the flight fares based on the given features. This will help travelers plan their trips more effectively and make informed decisions about flight bookings.

Bangladesh AQI prediction (ML) 𝑘 | ⚫ | 🔗
(personal project)

1. Tools used:
   Python | Matplotlib | Scikit-learn | Seaborn | Tableau | Render
2. Goal:
   The goal of the "Bangladesh AQI Prediction" project was to create a machine learning-based website 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.

PROJECTS

Google Data Analytics Case Study: Cyclistic Bike-share

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1. Tools used:

   Python | Matplotlib | Scikit-learn | Seaborn | Tableau | Render

2. Goal:

   The goal of this project was to analyze the data from Cyclistic, a fictional bike-share company, and provide valuable insights and recommendations to optimize their bike-share program. By conducting a thorough data analysis, we aimed to identify patterns, trends, and user behaviors, ultimately helping Cyclistic improve their marketing strategies, operational efficiency, and customer experience. The project focused on understanding user engagement, identifying potential customer segments, and making data-driven decisions to enhance the overall performance and profitability of Cyclistic's bike-share service.

Handwritten Formulaes Recognition (DL)

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1. Tools used:

   Python | Matplotlib | Scikit-learn | Seaborn | OpenCV | TensorFlow | Keras

2. Goal:

   The goal of the handwritten mathematical formula recognition project was to develop a robust and accurate deep learning model that can recognize and classify handwritten mathematical expressions. By combining Convolutional Neural Networks (CNN) for feature extraction and Recurrent Neural Networks (RNN) for sequence modeling, the model aims to accurately identify and interpret various mathematical symbols and expressions. This project holds great significance in various fields, including education, digital document processing, and accessibility for visually impaired individuals. The ultimate objective is to enable automatic recognition of handwritten mathematical content, facilitating seamless integration into digital platforms and enhancing the overall user experience.

Fruits Classification & Detection (DL)

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1. Tools used:

   Python | Matplotlib | Scikit-learn | Seaborn | OpenCV | TensorFlow | Keras | Render

2. Goal:

   The goal of this project was to develop a deep learning model based website that can accurately classify and detect different types of fruits from images. The model aims to provide real-time classification and detection capabilities, allowing users to identify various fruits accurately. The project's objective is to create a robust and efficient deep learning system that can be used in various applications, such as inventory management, quality control in the food industry, and agricultural yield estimation. By leveraging deep learning techniques, the project aims to achieve high accuracy and robustness in identifying and categorizing fruits from images

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