

Md Mustain Billah

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Summary

Dedicated Data Scientist with a **Master's in Applied Statistics and Data Science**, eager to apply expertise in a new business. Possesses strong analytical and problem-solving skills, with the ability to conduct **research**, perform **predictive analysis, modeling**, and communicate data-driven solutions. Integrates data insights with a human touch to develop impactful, **machine learning-driven outcomes**.

Skills

Languages: Python, SQL, NoSQL

Strengths: **Noise Reduction**, Data **Visualization**, Reporting, Hypothesis Testing, **Machine Learning**, Deployment(AWS).

Technologies: Numpy, Pandas, Scikit-learn, **Matplotlib**, **Seaborn**, Plotly, Streamlit, Flask, Dask, **TensorFlow**.

Tools: **Git**, **Github**, **MLflow**, **DVC**, Github Actions, CI/CD, Docker, Postman, **Jupyter Notebook**, Visual Studio Code.

Experience

Data Analyst | **Monico Technologies Ltd.** | **Dhaka, Bangladesh**

Aug 2023 - Present

- Developed multiple dashboards displaying live statistics and various vehicle KPIs, improving user experience and **bringing back 35% of customers** who had previously cancelled their subscriptions.
- Optimized data extraction from MongoDB by **30%** using **chunking**, **preventing memory overflow** and improving overall processing efficiency.
- Ensured scalable analysis and **reduced processing times** by **50%** for millions of sensor data entries using Dask.
- Led **data optimization** initiatives, reducing data size by **44.7%** and eliminating duplicates to enhance memory savings and efficiency.
- Implemented **machine learning** for fuel event **classification**, creating business dashboards that improved decision-making and management.

Data Scientist - Intern | **Koryntia** | **London, UK - Remote**

Jun 2023 - Jul 2023

- Achieved a **15% improvement** in loan outcome prediction **accuracy**, enhancing decision-making capabilities.
- Empowered stakeholders with data-driven insights, facilitating informed decision-making processes.

AI/ML Engineer - Intern | **Titan Technologies Ltd.** | **Dhaka, Bangladesh**

Feb 2022 - Jun 2022

- Developed and implemented an HR automation AI Chatbot in collaboration with product managers and developers.
- Reduced HR management time by **30%**, significantly contributing to company growth through **increased efficiency**.

Education

Jahangirnagar University | **Dhaka, Bangladesh**

Jan 2023 - Dec 2023

Masters in Applied Statistics and Data Science

CGPA: 3.88/4.00

Relevant Courses: Data Science with Python, Statistical Methods, Machine Learning, Time Series, Data Mining, Big Data.

International University of Business Agriculture and Technology | **Dhaka, Bangladesh**

Jan 2018 - Apr 2022

Bachelor of Computer Science and Engineering

CGPA: 3.58/4.00

Relevant Courses: Data Structure and Algorithms, Database Management System, Linear Algebra, Calculus.

Projects

Fraud Detection - End-to-End | <https://github.com/mddmustainbillah/fraud-transaction-detection>

- Built high-accuracy fraud detection (ML, real-time data).
- Enabled continuous improvement and user interaction (Streamlit).

Interactive Sales Dashboard | https://github.com/mddmustainbillah/Superstore_plotly_streamlit_dashboard

- Unveiled Regional Sales Insights with Interactive Data Exploration (Streamlit, Plotly).
- Communicated Sales Insights through Diverse Visualizations.

Additional Experience and Achievements

Data Science Instructor: Leading online instruction for over 50 students(recordings).

Guest Speaker: Presented on various ML algorithms, demonstrating technical knowledge and communication skills.

Mentored CS students (Nov '19 - April '22): Taught Data Structures, Algorithms and Database Management courses.