

Himel Das

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Summary:

Recent MSc graduate in Applied Artificial Intelligence and Data Analytics with hands-on experience developing, testing, and deploying machine learning models to drive real-world solutions. Proficient in Python, SQL, and R, with a solid foundation in scikit-learn, data preprocessing, model evaluation, and automation testing. Passionate about solving real-world problems using data-driven strategies. Known for strong collaborative, analytical, and problem-solving skills, with the ability to thrive in fast-paced, innovative-driven teams.

EDUCATION:

University of Bradford, Bradford, UK

Jan 2024 – Mar 2025

MSc in Applied Artificial Intelligence and Data Analytics

Relevant Coursework: Machine Learning, Business Data Analytics, Artificial Intelligence, Big Data Visualization

University of Science and Technology Chittagong, Chattogram, Bangladesh

Jan 2015 – May 2019

BSc Engineering in Electrical and Electronic Engineering

SKILLS:

- **Programming languages:** Python, SQL, R
- **ML/AI:** scikit-learn, Feature Engineering, Model Tuning, PyTorch (basic), TensorFlow (basic)
- **Visualization:** Power BI, Matplotlib, Seaborn, Plotly, Excel
- **Tools:** Streamlit, FastAPI, Power Query, MySQL, Git
- **Soft Skills:** Problem-solving, Collaboration, Communication, Agile Mindset

PROJECTS:

Expense Management System – [Python | FastAPI | Streamlit]

May 2025

[GitHub Repo](#)

- Developed a full-stack finance tracker with async REST APIs and real-time visual analytics.
- Delivered modular architecture with tested CRUD operations and UI for expense insights.

UK Traffic Accident Analysis – [Python | EDA | Seaborn]

Nov 2024

[GitHub Repo](#)

- Analyzed 1.8 M+ UK accident records to explore factors affecting crash severity and frequency.
- Generated actionable insights for policy-making and infrastructure improvement.

London Bike-Sharing Demand Prediction- [Python | Scikit-learn | Pandas]

May 2024

[GitHub Repo](#)

- Built ML models to forecast hourly bike demand in London using weather and time-related data ($R^2 = 0.94$).
- Identified key drivers like temperature, hour, and season; supported predictive allocation planning.
- Insights supported operational planning and resource allocation.

Business 360 Dashboard – [Power BI | SQL | Excel]

Oct 2023

[GitHub Repo](#) | [Live Dashboard](#)

- Designed a Power BI dashboard to analyze global sales trends for AtliQ Hardware, integrating data from SQL databases and Excel.
- Enhanced report performance by 5% using optimized DAX measures.
- Delivered actionable insights that supported strategic decision-making, resulting in expected revenue growth.

EXPERIENCE

Welcome Week Ambassador, University of Bradford, Bradford, UK

Jan 2025 | Aug 2024 – Oct 2024

- Assisted over 400+ new students with enrollment and onboarding queries.
- Ensured the verification and processing of enrollment documents.

CERTIFICATIONS / AWARDS:

- [Python: Beginner to Advanced For Data Professionals](#) Apr 2025
- [Get Job Ready: Power BI Data Analytics for All Levels](#) Oct 2023
- [SQL Beginner to Advanced For Data Professionals](#) Dec 2023
- [Complete the Google Data Analytics Professional Certification](#) Apr 2023

PROFESSIONAL DEVELOPMENT:

- **Information Visualization** July 2024
Aarhus University (via University of Bradford) | Funded by the Turning Scheme UK
- **Making Sense of Data: Handling, Processing, Visualizing, and Analyzing Data in R** Aug 2024
Aarhus University (via University of Bradford) | Funded by the Turning Scheme UK

LEADERSHIP / EXTRACURRICULAR ACTIVITIES:

Co-Office & Finance Secretary, FSET Debate Club, USTC, Chattogram, Bangladesh

Jan 2017 – Dec 2017

- Managed club operations, meetings, and communication among members.
- Oversaw budgeting and financial management for events, ensuring optimal fund utilization