



Mahed Ahmed Chowdhury

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Professional Profile

I am a Computer Science professional with experience in data analysis at Be Data Solution Dhaka. I have worked with datasets to perform data cleaning, preprocessing, and analysis using Python and SQL. My experience includes identifying patterns, generating insights, and supporting data-driven decision-making to improve business processes. I have also used tools like Excel and Python libraries to visualize data and present findings clearly. I am motivated to grow as a Data Analyst by working with large-scale datasets, improving data quality, and delivering meaningful insights that support business growth and decision-making.

Work Experience

Be Data Solution, Dhaka, Bangladesh

February 2023 - August 2023

Data Analyst

- Collected, cleaned, and organized data from different sources to prepare it for analysis.
- Used tools like Excel, SQL, and Python to analyze data and find useful patterns and trends.
- Created reports and simple dashboards to present findings in a clear and easy-to-understand way.
- Helped improve data quality by checking errors, missing values, and fixing inconsistencies.
- Worked with team members to understand requirements and share data insights for better decision-making.

Education

- **Ulster University, London, United Kingdom** **September 2024 – October 2025**
MSc in Computer Science and Technology
Modules include: Scalable software solution, Big Data, Knowledge Engineering, Deep Learning, Artificial Intelligence, Data science and machine learning.
Dissertation Title: SmartDiabetes: An AI-Based Web Application for Early Detection of Diabetes Risk.
- **Leading University, Sylhet, Bangladesh** **January 2019 – January 2023**
BSc in Computer Science and Engineering
Modules include: Data Base management system, data communication, operating system, software Engineering, web technology, artificial intelligence.
Project Title: Full-stack web application designed for booking indoor futsal courts, finding teams, and managing tournaments in Sylhet.

Technical Skills

- **Data Analysis Skills:** Data Analysis, Data Cleaning & Preprocessing, Data Mining, Statistical Analysis, Data Visualization, Data Interpretation.
- **Programming & Databases:** Python (Pandas, NumPy, Matplotlib, Seaborn), SQL (Data Querying, Joins, Aggregations), Database Management
- **Microsoft Excel & BI:** Tools Microsoft Excel (Data Preparation, Logical Functions, Lookup Functions (VLOOKUP, XLOOKUP), Pivot Tables, Charts, Conditional Formatting), Power BI (Basic Dashboards, Data Visualization)
- **Core Skills:** Machine Learning Fundamentals, Analytical Thinking, Problem Solving, Attention to Detail, Data Interpretation.

Research Interests

Machine Learning, Deep Learning, Computer Vision, Health Informatics.

Research Experience

Research Paper-1

June 2025 – October 2025

Supervisor: Muhammed Sihan Haroon.

Associate lecturer, Associate Automation Specialist – QA

Research Title: “SmartDiabetes: An AI-Based Web Application for Early Detection of Diabetes Risk”.

- Developed an AI-based web application that predicts early diabetes risk using machine learning models trained on health-related data.
- Collected, merged, and integrated multiple datasets, followed by data cleaning and preprocessing to ensure high-quality input data.
- Performed exploratory data analysis (EDA) using heatmaps and statistical patterns to identify key feature relationships and insights.
- Built and trained multiple machine learning models and evaluated their performance to select the best-performing model.
- Exported the final optimized model and integrated it into the web application for real-time diabetes risk prediction.
- **Published and presented a research paper at ICICT 2026, held in London, UK, on 24 February 2026**

Awards, Extra- Curricular Activities & Achievements

- Ranked 7th (Bangladesh Region) in IEEEExtreme 14.0 Programming Contest, Team Name: LUSmallCamp.
- Ranked second Runner-up Intra-LU Junior Programming contest.

Certifications

- QAHE ACE Excel and Data Analysis Workshops ([Badges link](#)).
- Completed a Microsoft Excel course from DataCamp, gaining skills in data analysis, data handling, and visualization using Excel tools.
- Completed a Python course from DataCamp, developing strong foundations in programming for data analysis using libraries such as Pandas and NumPy.