

MAHIMA AHSAN

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TECHNICAL SKILLS

Data Querying and Visualization: SQL, Seaborn, Matplotlib, PowerBI, Excel

Programming: C++, Python, Java, Assembly Language

Frameworks: Pytorch, Tensorflow, Scikit-Learn, Django

Languages: Bengali, French, English, Arabic, Hindi

EDUCATION

B.Sc in Computer Science and Engineering

North South University, Dhaka

CGPA 3.57 out of 4

Oct, 2020– Jan, 2023

B.E in Computer Engineering

University of Wollongong, Dubai

Sep, 2018 – May, 2020

A-levels

St. Mary's Catholic High School, Dubai

3 GCE's – Mathematics, Chemistry, Physics

Sep, 2016– May, 2018

O-levels

St. Mary's Catholic High School, Dubai

8 GCSE's – Result: 5 A*'s, 3 A's

Sep, 2015 – May, 2016

WORK EXPERIENCE

Information Analyst

Jan, 2023 – Present

Advanced Chemical Industries (ACI), Dhaka

- Requirement analysis– Collaborating with stakeholders to identify their information needs and requirements, and translating them into technical specifications for data analysis and reporting.
- Data Visualization– Creating visually appealing and informative charts, graphs, and dashboards using PowerBI to present data in a meaningful way for stakeholders
- Advanced Data Analysis: Employing techniques like clustering, time series analysis, and predictions to discover patterns and relationships in diverse datasets ranging from Sales, Customer Feedback, HR and etc.
- Tools used: PowerBI, Python, MySQL, MS Excel and Power Query

Software Developer (Remote)

Apr, 2023 – Aug, 2023

Tourism Point, Dhaka

- Developed the back end infrastructure using Django Rest Framework, including API creation, database management, and security implementation.
- Designed and enhanced the front end, focusing on user-friendly interfaces, responsive design, and improved user experiences.
- Improved accessibility and convenience for tourists.

Tools used: Python, Django, PostgreSQL, Bootstrap and HTML

Software Designing and Development (Remote)

Sep, 2022 – Jan, 2023

Best Canadian Immigration, Canada

- Responsibilities include designing their website's frontend and user experience and maintaining their website

Tools used: Figma, Node.js and React

Software Development Internship

Jun, 2022 – Sep, 2022

Technohaven Company Ltd., Dhaka

- Designed Prototypes of User Experience for various web-based platforms including e-commerce for pharmaceuticals and digital banking with cryptocurrency.
- Created reports and conducted detailed R&D on process flow and microservices architecture for implementation.

KEY ACHIEVEMENTS

Grand Finalists (Top 10) – Robi Datathon 3.0

Paper presentation, 'Classifying Bangla Health Misinformation from Social Media Platforms using Machine Learning', 22nd International Conference on Machine Learning and Cybernetics (ICMLC) 2023

Grand Finalists – Skitto Hackathon, Grameenphone

Secured Third place at the Innovation fair conducted by the University of Wollongong in Dubai for the project "Reverse Vending Machine"

Outstanding Academic Excellence Scholarship holder at the University of Wollongong, Dubai

PUBLICATIONS

Conference papers

P. Rahman, E. Sarker, **M. Ahsan**, I. T. Naheen and F. Bin Ali, "Classifying Bangla Health Misinformation from Social Media Using Machine Learning," 2023 International Conference on Machine Learning and Cybernetics (ICMLC), Adelaide, Australia, 2023, pp. 114–119, doi: 10.1109/ICMLC58545.2023.10327937.

RESEARCH PROJECTS

Classifying Bangla Health Misinformation on Social Media Platforms using Machine Learning – ([View project here](#))

Sep, 2022 – May, 2023

Using knowledge distillation to address the class imbalance problem in Bangla OCR

Feb, 2022 – Jul, 2023

Thesis – 'Structured State Spaces in Action Recognition Tasks'.

Feb, 2022 – Dec, 2022