

Md. Rabbi Amin

Data Analyst — BSc CSE — MSc Data Science
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Professional Summary

I am a Computer Science graduate from North South University with an MSc in Data Science from Jahangirnagar University. My expertise includes data science, artificial intelligence, and advanced data visualization. Proficient in Python, R, and Power BI, I develop impactful solutions for data-driven decision-making and optimization. Key achievements include designing health survey dashboards, implementing graph representation learning using SVM, and MRI-based brain tumor segmentation algorithms.

Work Experience

Data Analyst **Monico Technology Ltd. (08/2023 – Present)**

- Designed real-time project dashboards for mobile and web using FastAPI, delivering actionable insights.
- Conducted Exploratory Data Analysis (EDA) and developed ARIMA models for time series forecasting.
- Collaborated with frontend/backend teams to align client-specific visualizations.

Web Developer and Business Analyst **Tech Village ITES Ltd. (11/2021 – 02/2022)**

- Developed and maintained company websites, expanding proficiency in tools and frameworks.
- Analyzed business requirements to align software solutions with company goals.

Intern and Business Development Officer **Technohaven Company Ltd. (11/2020 – 06/2021)**

- Contributed to an ADB-funded BISDP project with process documentation and field visits.
- Enhanced operational efficiencies through data collection and analysis.

Education

- **MSc in Applied Statistics and Data Science**, Jahangirnagar University (2022 – 2024)
- **BSc in Computer Science and Engineering**, North South University (2016 – 2020)
- **HSC**, BAF Shaheen College (2012 – 2014)
- **SSC**, Sohagpur SK Pilot Model High School (2010 – 2012)

Technical Skills

- **Programming:** Python, R
- **Libraries:** NumPy, Pandas, Scikit-learn, TensorFlow, Keras, ggplot2
- **Tools:** Power BI, Streamlit, GitHub, Microsoft Excel
- **Languages:** Bangla, English

Certifications and Publications

- **Publication:** Minimizing Schedule Risk of Supply Chain (2023)
- **Publication:** Development of Web-Based Online Medicine Delivery System for COVID-19 (2021)

Key Projects

- **Demographic and Health Survey Dashboard:** Developed a customizable dashboard for healthcare KPI visualization using Python libraries.
- **Graph Representation Learning:** Implemented neural network representation with DeepWalk and Skip-Gram.
- **Adorsholipi:** Built an augmented reality app for Bangla alphabet recognition using Unity and Vuforia.

References

- Dr. Mohammad Ashraffuzaman Khan, Associate Professor, North South University (mohammad.khan02@northsouth.edu, +88 02 55668200 Ext – 6184)
- Prof. Dr. Mohammad Alamgir Kabir, Chairman, Jahangirnagar University (alamgir@juniv.edu, +88027791045-51 Ext. 1798)