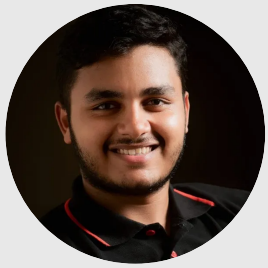
Md. Rabbi Amin

Data Analysts



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RabbiAmin

rabbiamin

PROFILE

I am a Computer Science graduate from North South University and doing my MSc in Data Science at Jahangirnagar University. After graduation, I completed internships and jobs with two companies before deciding to pursue a career in data science and AI-related work. I have completed several course projects, including developing a health survey dashboard using Python libraries, graph representation learning using SVM, and an augmented reality-based mobile app for image recognition. I am proficient in programming languages such as Python, R, PHP, and C++ as well as front-end development and version control tools. Currently, I am working on a supply chain risk management research project, which I hope to publish soon.

EDUCATION

August 2022 – present Savar, Dhaka, Bangladesh	**Jahangirnagar University,** MSc in Applied Statistics and Data Science,
January 2016 – April 2020 Bashundhara R/A, Dhaka, Bangladesh	**North South University,** BSc in Computer Science and Engineering
2012 – 2014 Tejgaon, Dhaka, Bangladesh	**BAF Shaheen College,** Higher Secondary School Certificate
2010 – 2012 Belkuchi, Sirajganj, Bangladesh	**Sohagpur SK Pilot Model High School,** Secondary School Certificate

PUBLICATIONS

January 1st, 2021

Development of Web-Based Online Medicine Delivery System for COVID-19 Pandemic,, Md. Rabbi Amin, Abdullah Al Mamun, Ahsan Ahmed Sajib, Mohammad Monirujjaman Khan

We developed a dynamic web application for online medicine delivery during the COVID-19 pandemic, using Laravel framework and hosted on a dedicated VPS. The platform is fast, SEO optimized, and provides a reliable way to order medicines online. Users can browse different medicine categories, add items to their cart, and pay through a COD system. The system has been tested and works well, offering a convenient one-stop solution for buying medicines, including COVID-19-related drugs, online.

PROJECTS

October 2022 – November 2022

Assessment of Academic Performances of WM-ASDS students, PMASDSNC01

The dataset was collected through an online form and manually sampled to contain 20 records. It was cleaned, categorical variables were added and encoded, and explicit type conversion was performed. The analysis focused on the impact of variables such as employment status and distance from the university on exam performance. Visualizations such as boxplots and scatterplots were used to analyze the data.

January 2020 – April 2021

The Demographic and Health Survey Dashboard, Research (CSE498R)

This project focuses on developing a dashboard that visually tracks and analyzes key performance indicators (KPIs) in medical health survey data. By using Dash, Flask, Plotly, Pandas, NumPy, dash_html_components, io, base64 and other Python libraries, we aim to simplify the process of exploring and visualizing data. Our dashboard is customizable to meet the specific needs of healthcare professionals and provides real-time monitoring of KPIs. This project aims to improve healthcare management by reducing the time and effort required for data analysis and promoting awareness and reflection through information visualization.

January 2020 – April 2020

Graph-Representation-Learning, Neural Networks (CSE465)

Neural network Representation (Node to vector) of the data in a graphical way.
Algorithm: DeepWalk, SkipGram, Hierarchical Softmax
Tech stacks: Python, Pytorch

September 2019 – December 2019

Adorsholipi, Junior Project Design (CSE299)

We developed an augmented reality mobile app that can detect images of Bangla alphabet through a smartphone camera and play related videos. The app is built using Vuforia for the image database, IBM Watson for sound recognition, and Unity for developing the PC and mobile app versions.

LANGUAGES

Bangla | English

SKILLS

PROGRAMMING LANGUAGES (Python, R, PHP, C++)

PROGRAMMING LIBRARIES (NumPy and Pandas, Matplotlib and Seaborn, Scikit-learn, TensorFlow , Django dplyr and tidyr ,ggplot2)

PROGRAMMING FRONTED (HTML, CSS, Bootstrap)

OPERATING SYSTEMS (Windows, Ubuntu, macOS) • **VERSION CONTROL TOOLS** (Git)

PRESENTATION AND DOCUMENTATION TOOLS (Microsoft Excel, Microsoft Word, Microsoft PowerPoint, Adobe Photoshop, Adobe After Effect)

INTERESTS

Research, Problem Solving, Coding, Travelling, Playing Football, Watching Movie

CERTIFICATES

- Multiple Variate Analysis

Extra Curriculum Activities
While studying engineering, I started photography and cinematography as a part-time job, discovering a talent for capturing moments and telling stories. Interacting with clients improved their communication skills, and managing a team of photographers and videographers taught leadership and project management. Overall, the experience has been fulfilling and has provided valuable skills in communication, leadership, and project management.

REFERENCES

DR. MOHAMMAD ASHRAFUZZAMAN KHAN, *Assistant Professor, North South University*, Ph.D., Computer Science, New Jersey Institute of Technology, Newark, NJ, USA. B. Sc., Computer Science & Engineering, BUET, Dhaka, Bangladesh
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Prof. Dr. Mohammad Alamgir Kabir, *Professor, Department Head, Department of Statistics*, Jahangirnagar University
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