MD SHAMIM SIDDIKY

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⬦ Linked in ⬦ GitHub ⬦ Portfolio

OBJECTIVE

As an upcoming graduate I am eager to use my solid background in computer science and my enthusiasm for data analysis to gain acceptance into a Ph.D. program. In order to further my education and contribute to the creation of data-driven solutions that deal with modern issues, I am keen to participate in cutting-edge research in the field.

EDUCATION

BSc in Computer Science and Engineering   January 2020 - Present
American International University-Bangladesh   **CGPA - 3.98/4.00**
Relevant Coursework: Introduction To Data Science, Machine Learning, Advanced Programming In Web Technology, Microprocessor & Embedded Systems, Operating Systems

Higher Secondary Certificate   July 2017 - June 2019
Saint Joseph Higher Secondary School   **CGPA - 5.0/5.0**

Secondary School Certificate   February 2015 - January 2017
Shaheed Police Smrity College   **CGPA - 5.0/5.0**

SKILLS

Technical Skills	Data cleaning, Data processing, Clustering, Decision making, Problem-solving
Tools	Weka, R Studio, Visual Studio Code, Power BI
Programming Skills	Python, R Language, SQL, HTML, PHP

EXPERIENCE

Research Assistant   Sept 2023 - Present
American International University-Bangladesh   *Dhaka,Bangladesh*

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PROJECTS

Water Potability Prediction Using KNN
This project uses the Water Quality dataset available in Kaggle to predict outcomes. It starts by cleaning the data and normalizing features. The k-Nearest Neighbors algorithm is then applied to create a potability outcome prediction model, with accuracy assessed using a confusion matrix, aiming to improve water quality decision-making. (Check here)

DMT - Metro Rail Ticketing Web Application
This is a ticketing web application with a React frontend and a Laravel API backend. The application is designed to simplify the ticket booking process and includes features such as integrated payment gateways supporting all types of payments available in Bangladesh, as well as live location tracking. (Check here)

Hospital Management System
This is a web application made with PHP, jQuery, CSS, and JavaScript which simplifies the complex hospital management processes. (Check here)

EXTRA-CURRICULAR ACTIVITIES

Active football player

Joint secretary, Josephite Film & Drama Group - JFDG   2018 - 2019

- Helped planning and organizing events, including screenings, and workshops, to ensure they ran smoothly.
- Was responsible for effective communication within the group, and managing external correspondence.
- Assisted with administrative tasks such as budget management, record-keeping, and documentation to maintain the group's operations.

Corresponding Secretary, Josephite Wall Magazine Committee   2018 - 2019

- Served as the main contact point for contributors and coordinated content submissions.
- Selected, edited, and scheduled content for the wall magazine
- Ensured the magazine reached its intended audience through effective distribution and promotional efforts.

TEACHING AND TUTORING EXPERIENCE

Personal tutor for standard 5-8 Grade Student   2021 - 2023

- Tutored standard fifth to eighth-grade students in Mathematics, Physics, and English.
- Provided one-on-one tutoring sessions to enhance understanding of complex concepts.
- Hands-on ICT practical

CERTIFICATION

- [Mathematical Thinking in Computer Science](#)
- [Programming for Everybody (Getting Started with Python)](#)

ACHIEVEMENTS

- Dean's List Honors, AIUB for the semesters of Fall 2020-2021, Spring 2020-2021, Fall 2021-2022, Spring 2021-2022, Fall 2022-2023
- CTO Forum Innovation Hackathon, 2022 Up to prototype round
- Summa cum laude [Pending]