

MD.SAMEER SAYED

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Professional Summary

Final-year Computer Science student (with only Internship Course left) specializing in Information Systems with strong foundations in data management, SQL, backend systems, Machine Learning and LLMs. Experienced in developing and maintaining data-driven applications using Python, MySQL, and PostgreSQL. Demonstrated ability to optimize queries, manage structured datasets, and apply analytical thinking to solve technical problems. Passionate about reliable database design, system performance, and data integrity within modern software ecosystems.

Skills

Technical Skills

- Programming Languages: Python, SQL, HTML, CSS, JavaScript
- Databases: MySQL, PostgreSQL (basic), Query Optimization, Backup & Security Fundamentals
- ML/AI Frameworks: TensorFlow, scikit-learn, BERT, XLM-RoBERTa
- Tools & Technologies: Git/GitHub, Jupyter Notebook, Arduino
- Specializations: Data Analysis, Natural Language Processing, Computer Vision

Soft Skills

- Analytical problem-solving
- Team collaboration and technical documentation
- Time management under multi-project workload

Research

Ongoing **Movie Poster Generation from Movie Trailer using GAN.**

Developing a novel Generative Adversarial Network (GAN), TensorFlow and Python model to automatically generate movie posters from movie trailers.

Submitted **Spam Detection from SMS Contents in Bangla**

Applying NLP Architectures such as BERT, XLM RoBERTa to detect fraudulent messages in Bengali language and increasing accuracy to 95%

Professional Experience

Data Science Virtual Intern | Intern Intelligence (India)

Feb 2025- Mar 2025

- Implemented machine Learning Models to predict customer behaviour using a Telecom Company Dataset that accurately predicted 70%
- Developed a working Time Forecasting Model which correctly forecasted 87%
- Managed time to complete the virtual internship in my personalized time parallel to my university study during this 1 month.

Educational Qualifications

American International University Bangladesh (Kuril, Dhaka)

Jan 2022 - Present

BSC. In Computer Science (Major: Information Systems) | Expected Graduation: End of 2025

CGPA: 3.90

St. Joseph Higher Secondary School and College (Mohammadpur, Dhaka)

2018-2020

Higher Secondary Certificate in Science | GPA: 5.00

Projects

News Article Topic Modelling & Visualization: Used Python, NLP, LDA, DTM to scrape news articles, perform topic modelling, and visualize key word distributions.

Stock Market Sentiment Analysis: Collected and pre-processed data, then applied a Naive Bayes classifier in Python to analyse and predict sentiment trends.

Comparative Analysis of BERT and ELECTRA for Stock Market Sentiment: Fine-tuned these pre-trained transformer models on stock market data and compared accuracy, precision, and recall against traditional methods.

Real-Time Face Detection System: Built a system using MobileNetV2 (deep learning) and KNN (traditional ML) to identify students and evaluate accuracy trade-offs.

PCMartBD – E-commerce Hardware Buy & Repair Platform: Developed a multi-role web platform allowing customers to buy and repair computer hardware; built distinct dashboards for technicians, employees, and admins and used phpmySQL for maintaining database.

Gesture-Controlled VLC Media Player: Created a gesture-based controller using Arduino Uno, Python and ultrasonic sensors for controlling media playback.

Role-Based HR Management System: Built a C# desktop application with separate dashboards for administrators, companies, and job seekers to manage recruitment.

Impact of Political Instability in Bangladesh – Survey-Based Research: Designed a survey-based data collection system and performed statistical analysis to summarize public perceptions.

Achievements

Dean's List Award | American International University-Bangladesh

- Awarded for academic excellence across 6 semesters from Spring 2022-23 to Fall 2024-25

Academic Scholarship | American International University-Bangladesh

- Awarded merit-based academic scholarship for maintaining excellent academic performance since Spring 2023-24

Extra-Curricular Activities

Registration Lead, AIUB Computer Club Gaming Fest-2022

American International University

Dec 2022

Managed registration and check-in logistics for 1,000+ participants, ensuring smooth operations and resolving real-time issues during the event.

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Exam Co-ordinator, Prothom Alo National Math Olympiad -2018

St. Joseph Higher Secondary School

Mar 2019

Coordinated multiple exam sessions for 500+ participants, maintaining discipline and ensuring strict adherence to academic regulations.

Certificates

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| • Hackerrank Certified Python Hackerrank | Mar 2025 |
| • Certified Data Analyst Data Solution 360 | Nov 2024 |
| • Cisco Certified IT Specialist: PC Hardware and Software Cisco | Jun 2022 |
| • MS Excel Certification Brightskills | Mar 2022 |

References/Referees

Dr. Debajyoti Karmaker

Head, Undergraduate Program (CSE)

Associate Professor, Department of Computer Science

American International University–Bangladesh (AIUB)

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