

# Md Mahmudul Alam Imon

AI/ML Enthusiast

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## EDUCATION

**MBA in Management Information Systems (MIS)**

University of Dhaka, Bangladesh

**CGPA: pending**

February 2024 – February 2025

**BBA in Management Information Systems (MIS)**

University of Dhaka, Bangladesh

**CGPA: 3.20/4.00**

January 2019 – December 2023

**EdX MicroBachelor in Computer Science Fundamentals**

Thomas Edison State University, New Jersey, United States

**3 Credits**

June 2022 – December 2022

## EXPERIENCE

**Teaching and Instructional Assistant**

July 2025 – Present

*AI/ML Bootcamp: Foundations and Applications 2025 (University of Dhaka)*

- Teaching foundational concepts in Python programming and Machine Learning during interactive bootcamp sessions.
- Evaluating quizzes and assignments to ensure participants grasp key concepts and stay on track.
- Providing guidance and support to learners throughout the bootcamp, fostering a collaborative learning environment.

**Research Fellow**

May 2025 – Present

*Entangled Scholars Inc. (The IQSeC Lab)*

*(Remote)*

- Researching adversarial attacks on Classical Machine Learning (CML) and Quantum Machine Learning (QML)
- Researching Provenance-Hypergraph Analysis for Malware Detection
- Collaborating with researchers to systematize knowledge on quantum adversarial robustness

**External Collaborator**

February 2025 – May 2025

*Intelligent and Quantum Secure Advanced Cyber Defense Research (IQSeC) Lab*

*(Remote)*

- Researching adversarial attacks on Classical Machine Learning (CML) and Quantum Machine Learning (QML)
- Researching Provenance-Hypergraph Analysis for Malware Detection
- Collaborating with researchers to systematize knowledge on quantum adversarial robustness

**Intern**

October 2023 – December 2023

**Zenith Organic Marketing Ltd**

*Dhaka, Bangladesh*

- Assisted with project management.
- Performed SEO auditing and Ad boosting.
- Attended sales calls with potential clients.

**Teaching Assistant**

January 2019 – October 2020

**Department of Management Information Systems, University of Dhaka**

*Dhaka, Bangladesh*

- Provided support to the faculties in the classroom.
- Helped in various work like grading, proctoring, and managing attendance reports.
- Coordinated departmental, academic, and cultural programs.

## ACHIEVEMENT

**1st Runner Up – AI/ML Bootcamp 2024: Foundations and Applications Final Project Showcase**

Organized by Department of Management Information Systems, University of Dhaka

## PROJECTS

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- 1 Provenance-Hypergraph Analysis for Malware Detection (Ongoing)
- 2 Robustness of Quantum Machine Learning (Ongoing)
- 3 Skin Cancer Diagnosis using Vision Transformer (Implemented with PyTorch)
- 4 Transformer Model for Intelligent Network Intrusion Detection System
- 5 Classifying Diabetes Risk Using Decision Tree and Gradient Boosting Algorithm
- 6 Malware Classification Using KNN Classifier
- 7 Predicting the Sentiment of Product Reviews using Naive Bayes Classifier
- 8 Predicting Heart Disease Using Logistic Regression

## PUBLICATIONS

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S. R. Nowmi, J. Lopez, M. M. A. Imon, V. Cadena, S. Pouryousef, M. S. Rahman. **“Towards Robust Quantum Machine Learning.”** Poster under review at the 2025 IEEE International Conference on Quantum Computing & Engineering (QCE25).

## TECHNICAL SKILLS

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**Programming Language:** Python, SQL, C (basic)

**Machine Learning:** Numpy, Pandas, scikit-learn, Matplotlib, seaborn, TensorFlow, PyTorch, TabTransformer, TabNet, BERT

**Microsoft Office Suite:** Word, PowerPoint, Excel, Power BI

**Operating Systems:** Windows, Ubuntu

## CERTIFICATION

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**AI/ML Bootcamp 2024: Foundations and Applications**

University of Dhaka

*Machine Learning and Deep Learning Models, Final Project Submission*

**Python for Everybody**

Coursera

*Getting Started with Python, Python Data Structure, Using Python to Access Web Data*

**Computer Science Fundamentals**

EdX

*Computer Hardware and Operating Systems, Introduction to Networking, Basics of Computing and Programming*

## EXTRA-CURRICULAR ACTIVITIES

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**Event Organizer:** Worked as an organizer at a departmental freshers' reception program named 'MIS Magical Fiesta' in 2020 and a departmental social event named "MIS Iftar Mahfil" in 2022. The responsibilities were collecting and raising funds, guest management, coordinating with the alumni, current students, and teachers, and decoration.

**Fundraiser:** Worked as a fundraiser for various humanitarian campaigns, including raising funds for cancer patients and flood-affected communities.

## REFERENCES

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- Dr. Md. Rakibul Hoque  
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Department of Management Information Systems  
University of Dhaka.  
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- Dr. Mohammad Saidur Rahman  
Assistant Professor  
Department of Computer Science  
University of Texas at El Paso  
Texas, USA  
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