# Md Mahmudul Alam Imon
## AI/ML Enthusiast

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## EDUCATION

**MBA in Management Information Systems (MIS)** — **CGPA: pending**
University of Dhaka, Bangladesh — *February 2024 – February 2025*

**BBA in Management Information Systems (MIS)** — **CGPA: 3.20/4.00**
University of Dhaka, Bangladesh — *January 2019 – December 2023*

**EdX MicroBachelor in Computer Science Fundamentals** — **3 Credits**
Thomas Edison State University, New Jersey, United States — *June 2022 – December 2022*

## EXPERIENCE

**Research Assistant** — February 2025 – Present
*The IQSeC Lab (University of Texas at El Paso)* — *(Remote)*

- Researching adversarial attacks on Classical Machine Learning (CML) and Quantum Machine Learning (QML)
- Measuring model robustness by evaluating attack performance on CML and QML models
- Reviewing and analyzing academic literature on adversarial attacks in quantum computing
- Implementing and testing adversarial defense mechanisms for QML models
- 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.

**Class Representative** — 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

## MACHINE LEARNING PROJECTS

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

## Technical Skills

**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

**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

**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

- 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
  Email: msrahman3@utep.edu