



A.K.M. Atiqur Rahman

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| LinkedIn | Github | Portfolio |

Objective

Passionate about leveraging technology to solve complex challenges, I aim to thrive in the ever-evolving field of Computer Science and Engineering. With a strong foundation in programming, development, and project management, I seek opportunities to drive innovation and create transformative solutions. My goal is to continuously grow through research, collaboration, and creative problem-solving, contributing to advancements that leave a lasting impact on society and technology. Motivated to bring fresh ideas, a results-driven mindset, and unwavering enthusiasm to every endeavor.

Educational Background

Bachelor of Science in Computer Science and Engineering

🏛️ Green University of Bangladesh (GUB)

📅 Year: 2020 – 2024 ★ CGPA: 3.92 out of 4.00 (Batch Ranked: 1st)

► Undergraduate Thesis:

Title: Age of Information and Energy Aware Multi-UAV Assisted Efficient Data Collection in Sensor Networks

Co-Supervisor: Mr. Palash Roy, Lecturer, Dept. of CSE, University of Dhaka

Supervisor: Prof. Dr. Md. Abdur Razzaque, Chairperson, Dept. of CSE, University of Dhaka

Experience

IT Executive & Technical Instructor

September 2024 – Present

Al Madina Khairiah Foundation

- Maintain and improve organizational IT systems, including website updates, data analysis, reporting, and technical troubleshooting.
- Instruct computer technology courses and assist in curriculum development, academic planning, and coordination of technical and educational activities.
- Develop strong practical skills in IT system administration, data analytics, technical instruction, communication, teamwork, and leadership.

ML Engineer Intern

May 2024 – July 2024

Robo Tech Valley

- Worked on developing and optimizing ML models with a focus on data preprocessing and image processing.
- Contributed to real-time system implementation for navigation and face recognition tasks.
- Strengthened applied AI/ML skills through practical system deployment and collaborating with interdisciplinary teams.

Skills

Programming Languages:	C, C++, Java, Python, Bash/Shell Scripting
Web & Frameworks:	HTML, CSS, JavaScript, PHP, React, Bootstrap, MySQL, WordPress
AI/ML & Data Science:	Machine Learning, Deep Learning, MADDPG, Multi-Head Attention, PyTorch, TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib, Data Mining
UI/UX & Design Tools:	Figma, Canva, Draw.io, LucidChart
Networking & Systems:	Cisco Packet Tracer, Socket Programming, Operating Systems, Encryption & Decryption
Tools & Collaboration:	Linux, LaTeX, MS Office (Word, Excel, PowerPoint, Visio), Git/GitHub
Extra Skills	Autocad, AI tools operate, Professional Data Entry

Language Skills

- ▶ **Bengali:** Proficient
- ▶ **English:** Proficient
- ▶ **Hindi:** Beginner
- ▶ **Urdu:** Beginner

Strengths

- ▶ **Adaptability:** Excellent
- ▶ **Communication:** Strong
- ▶ **Problem-Solving:** High
- ▶ **Teamwork:** Collaborative
- ▶ **Leadership:** Inspirational

Research Areas of Interest





- ▶ **Software Development**
- ▶ **Web Development**
- ▶ **Machine Learning/Artificial Intelligence (ML/AI)**
- ▶ **Software Quality Assurance (SQA)**
- ▶ **Data Analyst**
- ▶ **Business Analyst**

Research & Publications

- ▶ **Extended Abstracts:**
A.K.M. Atiqur Rahman, Muntasir Chowdhury Mridul, Md. Rajin Saleh, Palash Roy, Md. Abdur Razzaque. "Age of Information and Energy Aware Multi-UAV Assisted Efficient Data Collection in Sensor Networks." *IEEE CS BDC Symposium 2024*, Presented Paper (Paper ID: 106), Vol. 3, Nov 22-23, 2024. [Abstract Available Online](#).
- ▶ **Journal (Q1):**
A.K.M. Atiqur Rahman, Muntasir Chowdhury Mridul, Palash Roy, Md. Abdur Razzaque, Md. Rajin Saleh, Mohammad Mehedi Hassan, Md Zia Uddin, A Multi-Head Attention Mechanism Assisted MADDPG Algorithm for Real-Time Data Collection in Internet of Drones, Vehicular Communications, 2025, 100944, ISSN 2214-2096, [Journal Available in Online](#).

Projects

Web Programming Based Projects | Front-End & Back-End Technologies

- ▶ **Travels with NHS** — Developed a travel website for NHS with interactive features and responsive design.
 GitHub: <https://github.com/Prangon17/Web-Programming-Projects>
- ▶ **Messenger Chat Application** — Created a real-time chat application with front-end and back-end functionalities.
 GitHub: <https://github.com/Prangon17/Web-Programming-Projects>
- ▶ **Cipher Analysis** — Implemented algorithms for analyzing and decoding ciphers.
 GitHub: <https://github.com/Prangon17/Cyber-Security-Project>
- ▶ **Teachers Photo Gallery** — Developed a photo gallery application for teachers to organize and share images.
 GitHub: <https://github.com/Prangon17/Web-Programming-Projects>

Artificial Intelligence Project | Android Studio

- ▶ **Animal Image Detection App** — Developed an Android app for detecting and classifying animal images.
🔗 GitHub: <https://github.com/Prangon17/AI-Project>

Machine Learning and Data Mining Project | Python

- ▶ **Comparative Analysis in ML** — Conducted a comparative analysis of different classification techniques in ML.
🔗 GitHub: <https://github.com/Prangon17/Machine-Learning-Project>
- ▶ **Predicting Online Food Ordering** — Utilized machine learning algorithms to predict online food ordering behavior.
🔗 GitHub: <https://github.com/Prangon17/Data-Mining-Project>

›_ Operating System Projects | Shell

- ▶ **File Controlling System** — Developed a shell-based system for controlling and managing files.
🔗 GitHub: <https://github.com/Prangon17/Operating-System-Project>

Networking projects | Java, Socket Programming & Cisco

- ▶ **Messenger Chat App** — Implemented a messenger chat application with networking and socket programming.
🔗 GitHub: <https://github.com/Prangon17/Networking-project>
- ▶ **Intra-country Bank Networking System** — Developed an intra-country bank networking system using Cisco Packet Tracer.
🔗 GitHub: <https://github.com/Prangon17/Networking-project>

Extracurricular Activities

- ▶ Treasurer at IEEE GUB Student Branch | 2023-2024.
- ▶ Student Mentor at Dept. of CSE, GUB Mentorship Program | 2022-2024.
- ▶ Worked as a Dedicated Volunteer at the 5th International Conference of Sustainable Technologies for Industry (STI 5.0) Organized by IEEE, Green University of Bangladesh | 2023.
- ▶ Worked as a Dedicated Volunteer at IDPC Organized by Green University of Bangladesh | 2024.
- ▶ Worked as a Dedicated Volunteer at ICPC Asia Dhaka Regional Organized by Green University of Bangladesh | 2022.
- ▶ Participated in GUB Intra Department Programming Contest | 2021.
- ▶ Successfully organized several events from IEEE GUB Student Branch and Mentorship program | 2022-2024.

Awards & Achievements

- ▶ Received 8 VC & 2 Dean Awards for Outstanding Academic Performance | 2020-2024.
- ▶ Received Certificate of Appreciation for dedication as volunteer for STI 5.0 & IDPC | 2023-2024.
- ▶ Received Certificate of Appreciation for remarkable contribution as a Student Mentor | 2022-2024.
- ▶ Received Certificate of Appreciation for remarkable contribution as a Treasurer of IEEE Student Branch GUB | 2024
- ▶ Received Certificate of Appreciation for 1st Runner-up in "Idea Showcasing" at GUB CSE Carnival | 2024.
- ▶ Received Certificate of Appreciation for Top Finalist in "Poster Presentation" at Buet CSE Fest | 2024.
- ▶ Received Certificate of paper presentation for presented at IEEE CS BDC Symposium | 2024.

References

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