

MD. SHAHINUR ISLAM

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SUMMARY

Dedicated and highly motivated Electronics and Telecommunication Engineering graduate from RUET with a strong academic record (**CGPA: 3.79, 4th position**) and hands-on experience in machine learning, embedded systems, and software development. Passionate about education and interested in helping others understand complex technical concepts through clear communication, explanation, and problem-solving.

EDUCATION

- B.Sc. Engineering in Electronics and Telecommunication Engineering, 2026
Rajshahi University of Engineering and Technology (RUET), Rajshahi
CGPA: 3.79 out of 4.00 (4th Position)
- HSC | Science | Dinajpur Board 2020
GPA: 5.00 out of 5.00
- SSC | Science | Dinajpur Board 2018
GPA: 5.00 out of 5.00

RESEARCH

[1] M. A. I. Siddique, **M. S. Islam**, H. I. Navin, A. A. Fahmi and M. Z. H. Bhuiyan, "A Comprehensive Approach to Preventing Naval Accidents through Modern Signalling and Tracking," *2024 3rd International Conference on Advancement in Electrical and Electronic Engineering (ICAEEE)*, Gazipur, Bangladesh, 2024, pp. 1-6, doi: [10.1109/ICAEEE62219.2024.10561756](https://doi.org/10.1109/ICAEEE62219.2024.10561756).

THESIS/PROJECT

- Thesis 2025 - 2026
Title: A Hierarchical Deep Learning Framework for Joint Leukemia and Malaria Detection from Blood Cell Images.
Supervisor: Hasan Sarker, Assistant Professor, Dept of ETE, RUET
Key skills gained: Machine Learning, Deep Learning, CNN, Blood Cell

- **Project 1** **2024 - 2025**
Title: AI-Based Real-Time Wireless Monitoring and Classification of Heart Sounds Using an Electronic Stethoscope with Web-Based Interface.
Supervisor: Robiul Islam, Assistant Professor, Dept of ETE, RUET
Key skills gained: ESP32, Machine Learning, FastAPI, HTML, CSS, JavaScript, PCB Design
- **Project 2** **2023 - 2024**
Title: Autonomous Smart Shopping Trolley: Enhancing Retail Experience through Customer-Centric Navigation.
Supervisor: Hasan Sarker, Assistant Professor, Dept of ETE, RUET
Key skills gained: Arduino/ESP32/ESP8266, PCB Design, IR & Sonar Sensors, Motor Driver

EXPERIENCE

- **INDUSTRIAL ATTACHMENT** **03 Mar 2025 – 15 Mar 2025**
Company: Brain Station 23, Software Development, 1 Mohakhali C/A, Dhaka 1212
Working Hours: 80 Hours
Project Completed: Built a secure FastAPI file-upload service with MongoDB and contributed to a library management system.
Skills: FastAPI & Custom Authentication, MongoDB, Scrum & Agile, SDLC, Generative AI

TECHNICAL/SOFTWARE/SOFT SKILLS

- Programming & Markup Language: Python, C, C++, JavaScript, Assembly Language, HTML, CSS
- Database: SQL, MySQL, MongoDB
- Software: MATLAB, EMU-8086, AutoCAD, Pspice, Mathematica, DSCH 3.5, Microwind
- Microsoft Office: MS Excel, MS Word, MS PowerPoint
- Data Analysis (Statistical analysis, interpretation, reporting)
- Communication, Explanation, Critical Thinking, Teamwork & Collaboration

CERTIFICATES

- **Basic Programming with Python** **Dec 2024 – Feb 2025**
Conducted By: Institute of Information and Communication Technology (IICT), RUET
Under Project: Enhancing Digital Government and Economy (EDGE) of Bangladesh Computer Council, ICT Division

Course Hour: 60 Hours, **Serial No:** EDGE-DSTS-120-8392-00020

- **30 Days Webinar Participation on Internet of Things** **Jun 2025 – Jul 2025**
Conducted By: Gobeshona Learning Academy, **Course Hour:** 30 Hours

RESEARCH INTERESTS

Data Science | Machine Learning | IoT

References

Dr. Md. Kamal Hosain

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Hasan Sarker

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