

Md. Atiqur Rahman

[Website](#)

[Email](#)

[GitHub](#)

[Google Scholar](#)

RESEARCH INTERESTS

My past work and research interests span a range of topics, including, Medical Image Analysis, Few Shot Learning, Federated Learning, Sign Language Recognition, Bioactivity Prediction & LLM-driven NLP.

EDUCATION

• Islamic University of Technology (IUT)

Bachelor of Science in Computer Science and Engineering; GPA: 3.98 (Ranked: 1st /99)

Dhaka, Bangladesh

Jan 2019 - May 2023

- **Thesis:** Recognizing Traffic Signs using Fine-tuning Based Few Shot Object Detection.

RESEARCH

- LLM-Based Evaluation of Low-Resource Machine Translation: A Reference-less Dialect Guided Approach with a Refined Sylheti-English Benchmark
Md Atiqur Rahman, Sabrina Islam, and Mushfiqul Haque Omi
CLNLP 2025 [\[Paper\]](#) [\[Code\]](#) [\[Dataset\]](#)
- Bdssl-spoter: A transformer-based framework for bengali sign language recognition with cultural adaptation
Sayad Ibna Azad and Md. Atiqur Rahman
ISVC 2025 [\[Paper\]](#) [\[Code\]](#) [\[Dataset\]](#)
- Personalized Federated Segmentation with Shared Feature Aggregation and Boundary-Focused Calibration
Ishmam Tashdeed, *Md. Atiqur Rahman, Sabrina Islam and Md. Azam Hossain
Under Review [\[Paper\]](#) [\[Code\]](#)
- FUSED-Net: Detecting Traffic Signs with Limited Data
Md. Atiqur Rahman, Nahian Ibn Asad, Md. Mushfiqul Haque Omi, Md. Bakhtiar Hasan, Sabbir Ahmed and Md. Hasanul Kabir
Under Review [\[Paper\]](#) [\[Code\]](#) [\[Dataset\]](#)
- Cardosum: Patient friendly echocardiography report summarization
Sabrina Islam, Md Atiqur Rahman, Dr. Mohammad Arifur Rahman, Dr. Shahimur Parvez, and Md. Hasanul Kabir.
Preprint [\[Overview\]](#)
- Rep3net: An approach exploiting multimodal representation for molecular bioactivity prediction
Sabrina Islam, Md Atiqur Rahman, Md. Bakhtiar Hasan, and Md. Hasanul Kabir
Preprint [\[Overview\]](#)

TEACHING EXPERIENCE

• Islamic University of Technology

Lecturer, Department of Computer Science and Engineering

Dhaka, Bangladesh

Aug 2023 - Present

- **Courses:** Mobile Application and Development, Software Security, E-commerce and Web Security, Simulation and Modeling.
- Advising 2 undergraduate research groups on 3D Medical Image Segmentation and Virtual Try On.

• United International University

Lecturer, Department of Computer Science and Engineering

Dhaka, Bangladesh

June 2023 – August 2023

- **Courses:** Theory of Computing, Digital Logic Design and Structured Programming.

INDUSTRY EXPERIENCE

- **Battery Low Interactive Ltd**

Game Developer Intern

Dhaka, Bangladesh

Oct 2021 – Nov 2022

- **Save The Assassin:** A dynamic 2D game built using C# and Unity Game Engine. [\[Code\]](#) [\[Game\]](#)

PROJECTS

- **SpikeX:** Exploiting Spiking Neural Networks to develop an energy-efficient YOLOv4. [\[Code\]](#)

- **Few Shot Traffic Sign Classification:** Utilizing metric based few shot classifiers for bench-marking GTSRB. [\[Code\]](#)

TECHNICAL SKILLS

Deep Learning Tools: PyTorch, Hugging Face, JupyterLab/Colab, Scikit Learn, Keras.

Programming Languages: Python, C, C++, C, SQL, Bash, Java, JavaScript.

General Tools: Git, L^AT_EX, Draw.io, Visual Studio Code, RunPod.

AWARDS & ACHIEVEMENTS

- Best Paper Award in CLNLP 2025.
- IUT Seed Grant 2022 under grant no. REASP/IUT-RSG/2022/OL/07/011 - Awarded for my undergraduate thesis in the Department of Computer Science and Engineering (CSE) at the Islamic University of Technology (IUT).
- Full OIC Scholarship 2019.