

Asadullah Bin Rahman

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Address: Khansama, Dinajpur, Bangladesh

Research Interests: Image Processing, Machine Learning, Quantum Computing

Employment

- 07/2023 – Present ◇ **Research Assistant (RA) at IoThink Lab**
Department of Computer Science and Engineering, Hajee Mohammad Danesh Science and Technology University (HSTU), Dinajpur-5200, Bangladesh
- 03/2023 – 09/2023 ◇ **Lecturer of Computer Science and Engineering**
Govt. Shahid Akbar Ali Science and Technology College (SASTC) (Affiliated to HSTU) Thakurgaon, Bangladesh

Education

- 07/2023 – Present ◇ **M.Sc.(Engineering) in Computer Science and Engineering**
Hajee Mohammad Danesh Science and Technology University (HSTU)
Dinajpur-5200, Bangladesh
GPA: 3.625/4.00 (Thesis in progress)
- 01/2017 – 12/2022 ◇ **B.Sc.(Engineering) in Computer Science and Engineering**
Hajee Mohammad Danesh Science and Technology University (HSTU)
Dinajpur-5200, Bangladesh
CGPA: 3.31/4.00

Research Publications

1. **A. B. Rahman**, M. I. Afjal, and M. A. A. Mamun, "Mitigating Noise from Biomedical Images Using Wavelet Transform Techniques," in *2025 International Conference on Electrical, Computer and Communication Engineering (ECCE)*, **Accepted**, 2025.
2. **A. B. Rahman**, M. Touhid Islam, M. R. Islam, M. Sohrawordi, and M. N. Sultan, "Enhanced Brain Tumor Classification from MRI Images Using Deep Learning Model," in *2023 26th International Conference on Computer and Information Technology (ICCIT)*, 2023, pp. 1–6.  DOI: [10.1109/ICCIT60459.2023.10441064](https://doi.org/10.1109/ICCIT60459.2023.10441064).

Teaching Experience

- 03/2023 – 09/2023 ◇ Instructor, SASTC. Theory of Computation and Concrete Mathematics, CSE258 (Undergraduate)
- ◇ Instructor, SASTC. Computer Graphics and Image Processing, CSE405 (Undergraduate)
- ◇ Instructor, SASTC. Machine Learning and Pattern Recognition, CSE469 (Undergraduate)

Standardized Tests

- 08/2023 – 08/2025 ◇ **IELTS Academic:** Overall Score: 6.5 (CEFR Level: B2)
Listening: 6.5, Reading: 6.5, Writing: 6.0, Speaking: 6.5
TRF Number: 23BD029064RAHA001A

Skills

- | | |
|-------------------|--|
| Machine Learning | ◇ Areas – Image Processing, Computer Vision; Frameworks & Libraries – NumPy, Pandas, SciPy, Matplotlib, OpenCV, PyTorch, TensorFlow |
| Quantum Computing | ◇ Areas – Quantum Machine Learning; Frameworks & Tools – Qiskit, Cirq, PennyLane, Classiq |
| Programming | ◇ Object Oriented Programming with C++, Java, and Python. Data-structures and Algorithms, Database, Problem solving (300+ on CodeForces, HackerRank, UVA, etc) |
| Web Dev | ◇ HTML, CSS, JavaScript, PHP, and MySQL |
| Others | ◇ Linux, Git, LaTeX |

Miscellaneous Experience

Awards and Achievements

- 08/2024 ◇ **Womanium Quantum + AI 2024 Global Summer School:** Program finalist and Womanium Quantum Solution Launchpad (QSL) fellowship nominee.
[View](#) Certification
- 06/2024 ◇ **IBM Quantum Challenge 2024:** Successfully completed all 6 labs, finishing **11th** globally.
[View](#) Certification | [Access](#) Solution Notebooks
- 01/2016 ◇ **6th Bangladesh Academy of Sciences (BAS) Divisional Science Olympiad:** Secured 3rd position in the division and was selected for the national level.
- 09/2015 ◇ **5th Physics Olympiad organized by Dinajpur Science Academy:** Achieved 7th position.

Professional Development

- 09/2024 – 05/2025 ◇ **QClass24/25:** Attending advanced quantum computing courses from QWorld.
Focus Areas: Quantum Computing, Programming, Algorithms, Quantum Key Distribution (QKD)
[View](#) Certification
- 08/2024 ◇ **Qiskit Global Summer School 2024 – Quantum Excellence:** Completed a 10-day intensive boot camp by IBM Qiskit.
Skills: Quantum Circuit Transpilation, Circuit Simulation, Quantum Error Suppression and Mitigation.
[View](#) Certification | [Access](#) Solution Notebooks
- 09/2020 ◇ **Python for Everybody Specialization:** Completed a Coursera specialization covering Python fundamentals, data structures, and a capstone project.
Coursera Credential ID: [6PL6V9V6K2F9](#)

References

Dr. Md. Abdulla Al Mamun

Professor

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Masud Ibn Afjal

Associate Professor

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