

MUSTAVI IBNE MASUM

in Mustavi Ibne Masum |  Mustavi-99 |  +1(437)665-3661
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EDUCATION

Ahsanullah University of Science and Technology
Bachelor of Science in Computer Science and Engineering
CGPA: **3.881** on a scale of 4.00

Dhaka, Bangladesh
Fall 2018 - Spring 2022

Lakehead University
Master of Science in Computer Science

Thunder Bay, Ontario, Canada
Fall 2025 - Present

WORK EXPERIENCE

RITE Solutions Ltd.

Junior Software Engineer

Dhaka, Bangladesh

Feb 2024 - Jun 2024

- Implemented features and bug fixes across the full stack, utilizing AngularJs for the front-end and .NET with C# for the back-end.
- Integrated Entity Framework for efficient data modeling and database communication
- Wrote LINQ queries to streamline data retrieval and improve performance across core modules

Ahsanullah University of Science and Technology

Part-Time Faculty

Dhaka, Bangladesh

March 2024 - Sep 2024

Department of Computer Science and Engineering

- Instructed students on developing web applications using ASP.NET and guided them in creating their own website projects.

Southeast University

Part-Time Faculty

Dhaka, Bangladesh

Jul 2024 - Jun 2025

Department of Computer Science and Engineering

- Instruct on Data Structures, covering foundational algorithms and data management techniques.
- Teach Discrete Mathematics, focusing on logic, set theory, and combinatorial analysis.
- Provide instruction on Introduction to Embedded Systems, both in theory and lab settings.

Southeast University

Full-Time Faculty

Dhaka, Bangladesh

Jun 2025 - Aug 2025

Department of Computer Science and Engineering

- Instruct using an Outcome-Based Education (OBE) approach, emphasizing measurable learning outcomes and skill development.
- Instruct on Data Structures, covering foundational algorithms and data management techniques.
- Provide instruction on Introduction to Embedded Systems, both in theory and lab settings.

Lakehead University

Graduate Teaching Assistant

Thunder Bay, Ontario, Canada

Sep 2025 - Present

Department of Computer Science

RESEARCH INTERESTS

Computer Vision, Optimization Problem, Deep Learning, Machine Learning

TECHNICAL SKILLS

Framework:	.NET, AngularJs
Languages:	Python, C#, C, C++, JAVA, HTML5, PHP, 80x86 Assembly
Database:	MySQL, Microsoft SQL, Oracle SQL
Design Tools:	VSCode, Google Colab, Microsoft Visual Studio, Kaggle Notebooks, CodeBlocks, Netbeans, Jupyter Notebook, Matlab
Operating System:	Windows
Deep Learning Tools:	PyTorch
Others:	LaTeX

PUBLICATIONS

Published

- ◇ Khan Md Hasib, Md. Atiqur Rahman, **Mustavi Ibne Masum**, Friso De Boer, Sami Azam and Asif Karim, **“Bengali News Abstractive Summarization: T5 Transformer and Hybrid Approach”**. *2023 International Conference on Digital Image Computing: Techniques and Applications (DICTA)*, Port Macquarie, Australia, 2023, pp. 539-545, doi: 10.1109/DICTA60407.2023.00080.
- ◇ Tajrian Islam Ishan, Abdullah Al Noman, Raisa Rokib, **Mustavi Ibne Masum**, Sifat Ahmed, Faisal Muhammad Shah. **“Bengali Image Captioning Using Vision Encoder-Decoder Model”**. *2023 26th International Conference on Computer and Information Technology (ICCIT)*, Cox’s Bazar, Bangladesh, 2023, pp. 1-6, doi: 10.1109/ICCIT60459.2023.10441125.
- ◇ Md. Atiqur Rahman, **Mustavi Ibne Masum**, Khan Md Hasib, M.F. Mridha, Sultan Alfarhood, Mejdil Safran, Dunren Che. **“GliomaCNN: An Effective Lightweight CNN Model in Assessment of Classifying Brain Tumor from Magnetic Resonance Images Using Explainable AI”**. *Computer Modeling in Engineering & Sciences*, 2024, doi: 10.32604/cmes.2024.050760.

Review Activities

Reviewer

IEEE Communications Letters (ISSN: 1558-2558)

2025

AWARDS & ACHIEVEMENTS

- ◇ Vector Institute Scholarship in AI 2025
- ◇ Dean’s List of Honor (Based on B.Sc. result) 2023
- ◇ Certificate for completing the course “Neural Networks and Deep Learning” in Coursera 2023
- ◇ Tuition Fee Waiver for Spring-2022 Semester 2023
- ◇ Certificate for completing the course “Mathematics for Machine Learning: Linear Algebra” in Coursera 2022
- ◇ Tuition Fee Waiver for the Spring-2021 Semester 2022
- ◇ Tuition Fee Waiver for the Fall-2020 Semester 2021
- ◇ Certificate for participating in Codeware Intra AUST Programming Contest, Spring 2019 (Team Contest) 2019

- ◇ Tuition Fee Waiver for the Spring-2019 Semester *2019*
- ◇ Certificate for participating in Game of Codes Intra AUST Programming Contest, Fall 2018 (Team Contest) *2019*
- ◇ Certificate for 1st Position in 2nd BAF Shaheen College Dhaka Science Fair, Project Display (Mechanical), Senior Level *2017*
- ◇ Certificate for participating in 3rd Adamjee Cantonment College National Science Festival *2017*
- ◇ Certificate for participating in Space apps next gen, Dhaka *2016*
- ◇ Certificate for participating in Notre Dame Annual Science Festival 2016 & 26th GKC, Wall Magazine, Senior Level *2016*

EXTRACURRICULAR ACTIVITIES

- ◇ Organizer of AUST CSE Festival Fall 2021 *2022*
- ◇ Organizer of AUST CSE Football Tournament Fall 2021 *2022*
- ◇ Former Member of Neutrino ACC Science Club (NASC) *2016 - 2017*

REFERENCE

Khan Md Hasib

Ph.D. Candidate

The University of Western Australia

Assistant Professor(on Study Leave), Department of Computer Science & Engineering

Bangladesh University of Business and Technology

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Mr. Tashreef Muhammad

Lecturer & Coordinator, Department of Computer Science & Engineering

Southeast University

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