

# MUSTAVI IBNE MASUM

 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

Department of Computer Science

**Thunder Bay, Ontario, Canada**  
*Sep 2025 - Present*

## RESEARCH INTERESTS

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Computer Vision, Optimization Problem, Deep Learning, Machine Learning

## TECHNICAL SKILLS

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

## PUBLICATIONS

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### 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, Mejdl 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

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- ◊ 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**

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- ◊ 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**

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### **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

Email: khanmdhasib@bubt.edu.bd

### **Mr. Tashreef Muhammad**

Lecturer & Coordinator, Department of Computer Science & Engineering

Southeast University

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