

# MUSTAVI IBNE MASUM

 Mustavi Ibne Masum |  Mustavi-99 |  (+880)1619333661  
 mustavi-ibne-masum.github.io |  mustavi.sadim99@gmail.com

## 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*

**Adamjee Cantonment College**  
*Higher Secondary Certificate*  
GPA: 5.00 on a scale of 5.00

**Dhaka, Bangladesh**  
*2016 - 2018*

**Dhanmondi Government Boys' High School**  
*Secondary School Certificate*  
GPA: 5.00 on a scale of 5.00

**Dhaka, Bangladesh**  
*2014 - 2016*

## 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.
- Collaborated with team members, participated in code reviews, and followed agile development process.

### **Ahsanullah University of Science and Technology**

Part-Time Faculty

**Dhaka, Bangladesh**

*April 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**

*July 2024 - Present*

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.

## RESEARCH INTERESTS

---

Computer Vision, Natural Language Processing (NLP), Machine Learning, Deep Learning

## UNDERGRADUATE THESIS

---

### Bengali Image Captioning Using Vision Encoder-Decoder Model

*Supervisor: Mr. Faisal Muhammad Shah*

We have focused on captioning images in Bengali, utilizing a vision encoder-decoder model. This project involves a blend of computer vision and natural language processing (NLP). Our work included experimenting with various vision transformers in the vision encoder to discover the best approach for creating Bengali captions.

### TECHNICAL SKILLS

---

<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

---

#### 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/cmescs.2024.050760.

### AWARDS & ACHIEVEMENTS

---

- ◇ 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*

## LANGUAGE CERTIFICATION

---

International English Language Testing System (**IELTS**)

Overall Band Score: **7.5**

Listening: 8.5 Reading: 8.0 Writing: 6.5 Speaking: 7.0

## 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

Email: khanmdhasib@bubt.edu.bd

### **Mr. Tashreef Muhammad**

Lecturer & Coordinator, Department of Computer Science & Engineering

Southeast University

Email: tashreef.muhammad@seu.edu.bd