

# MUSTAVI IBNE MASUM

**in** Mustavi Ibne Masum |  Mustavi-99 |  (+880)1619333661  
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## EDUCATION

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**Ahsanullah University of Science and Technology** Dhaka, Bangladesh  
*Bachelor of Science in Computer Science and Engineering* 2019 - 2023  
CGPA: **3.881** on a scale of 4.00

**Adamjee Cantonment College** Dhaka, Bangladesh  
*Higher Secondary Certificate* 2016 - 2018  
GPA: 5.00 on a scale of 5.00

**Dhanmondi Government Boys' High School** Dhaka, Bangladesh  
*Secondary School Certificate* 2014 - 2016  
GPA: 5.00 on a scale of 5.00

## WORK EXPERIENCE

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**RITE Solutions Ltd.** Dhaka, Bangladesh  
Junior Software Engineer Feb 2024 - Present  

- 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** Dhaka, Bangladesh  
Part-Time Faculty April 2024 - Present  
Department of Computer Science and Engineering

**Southeast University** Dhaka, Bangladesh  
Part-Time Faculty July 2024 - Present  
Department of Computer Science and Engineering

## TECHNICAL SKILLS

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<b>Framework:</b>	.NET, AngularJs
<b>Languages:</b>	C#, Python, 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

## RESEARCH INTERESTS

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

## UNDERGRADUATE THESIS

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### 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.

## 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, 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.

## AWARDS & ACHIEVEMENTS

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- ◇ 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*