MUSTAVI IBNE MASUM

Mustavi Ibne Masum | Mustavi-99
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EDUCATION

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(**2nd** in Merit Position)

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

RITE Solutions Ltd. — **Dhaka, Bangladesh**
Junior Software Engineer — *Feb 2024 - Present*
Framework: .NET, AngularJs

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.

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".** *26th International Conference on Computer and Information Technology (ICCIT2023).*

Under Review

◇ 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.*

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

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*

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*