

Murad Hasan

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Research Interest

- Human Action Recognition
- Visual Captioning
- Image Processing
- Computer Vision
- Deep Learning
- Machine Learning

Education

Brac University

2018 – 2022

Bachelor of Science in Computer Science and Engineering

Dhaka, Bangladesh

CGPA - **3.92** out of 4.00

Major GPA - **4.00** out of 4.00

BAF Shaheen College, Tejgaon, Dhaka

2014 – 2016

Higher Secondary School Certificate

Dhaka, Bangladesh

GPA - 4.75 out of 5.00

Kishoreganj Govt. Boys High School, Kishoreganj

2009 – 2014

Secondary School Certificate

Kishoreganj, Bangladesh

GPA - 5.00 out of 5.00

Publications

- **M. Hasan**, S. Iqbal, M.B.H. Faisal, M.M.H. Nelay, M.T. Kabir, M.T. Reza, M.G.R. Alam, M.Z. Uddin, "A Computer Vision Based Approach for Stalking Detection Using a CNN-LSTM-MLP Hybrid Fusion Model", **PLOS ONE (Q1, Impact Factor: 3.75)**. [Under Review, [Preprint](#)]
- M. H. K. Mehedi, I. Arafin, **M. Hasan**, F. Rahman, R. Tasin, A. A. Rasel, "A Transfer Learning Approach For Efficient Classification of Waste Materials", 2023 IEEE 13th Annual Computing and Communication Workshop and Conference (**CCWC**), Las Vegas, NV, USA. doi: [10.1109/CCWC57344.2023.10099127](https://doi.org/10.1109/CCWC57344.2023.10099127)

Ongoing Research Projects

- Replicated Image Detection for Visual Captioning Utilizing the Semantic Segmentation Approach.
Advisor: Md. Golam Rabiul Alam (Nov. 2023 - Present)
- Human Action Recognition With CNN By Following Object Detection and Background Extraction.
Advisor: Md. Tanzim Reza (June 2023 - Present)

Work Experience

Lecturer (Contractual)

Brac University

Sept. 2022 – Present

Dhaka, Bangladesh

- Designed and implemented effective and inclusive teaching arrangements and learning activities.
- Developed and monitored assessments to measure students performance and understanding.
- Written research proposals, papers and other publications.
- **Courses taught:** Programming Language, Data Structures, Operating Systems, Microprocessors.

Software Engineering Intern

Samsung R&D Institute Bangladesh

Aug. 2022 – Oct. 2022

Dhaka, Bangladesh

- Designed and built applications for the WearOS platform.
- Worked on bug fixing and improving application performance.
- Built two health services applications in WearOS to measure heart rate and track deadlift exercise.

Undergraduate Teaching Assistant / Student Tutor

Brac University

Feb. 2021 – Apr. 2022

Dhaka, Bangladesh

- Worked with the students to develop a tutoring plan that fits the students individual needs.
- Prepared tutoring sessions to ensure the students academic development.
- Provided one-on-one support to students who needed it.

Leadership Experience

Director of Information and Technology

Brac University Business Club (BIZ BEE)

Jan. 2019 – Feb. 2022

Dhaka, Bangladesh

- Led a team of 25 people to carry out departmental responsibilities.
- Successfully directed a few events' digital campaigns, including a business case competition.

Volunteer

Obhizatrik Foundation

Dec. 2016 – Apr. 2018

Dhaka, Bangladesh

- Worked closely with underprivileged children to provide quality education and health care.
- Organized and executed successful events, fundraisers, or campaigns to raise awareness and funding.

Honors and Scholarships

- **Merit Based Scholarship, Brac University.**
- **Awarded Vice-Chancellor and Dean List Student, Brac University.**

Programming and Computing Skills

Languages: Python, Java, C++, SQL, HTML, CSS

Developer Tools: Jupyter Notebook, PyCharm, VS Code, Android Studio, NetBeans

Frameworks / Technologies: Tensorflow, Keras, Django, GitHub

References

Dr. Md. Golam Rabiul Alam

Professor

Department of Computer Science and Engineering

Brac University, Dhaka, Bangladesh

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Md Tanzim Reza

Lecturer

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