

# Murad Hasan

House: 09, Road: 16, Merul Badda, Dhaka-1212, Bangladesh

+88 01303182272 | [murad.hasan@g.bracu.ac.bd](mailto:murad.hasan@g.bracu.ac.bd) | <https://linkedin.com/in/murad-hasan-554542206>  
<https://scholar.google.com/citations?user=whOTX-IAAAAJ> | <https://hasanmurad4919.github.io/webpage/>

## 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

## Research Interest

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

## 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]
- 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

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### 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

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### 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

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

## Programming and Computing Skills

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

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

**Frameworks / Technologies:** Tensorflow, Keras, Django, GitHub

## References

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### Dr. Md. Golam Rabiul Alam

Professor

Department of Computer Science and Engineering

Brac University, Dhaka, Bangladesh

☎ +88 01611927733

✉ rabiul.alam@bracu.ac.bd

### Md Tanzim Reza

Lecturer

Department of Computer Science and Engineering

Brac University, Dhaka, Bangladesh

☎ +88 01611996918

✉ tanzim.reza@bracu.ac.bd