

# Murad Hasan

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## 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, "A computer vision based approach for stalking detection using CNN-LSTM-MLP hybrid fusion model", To be submitted to **Information Fusion (IF - 18.6)**.
- 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.

## Ongoing Research Projects

- Replicated Image Detection for Visual Captioning Utilizing the Semantic Segmentation Approach.
- Human Action Recognition With CNN By Following Object Detection and Background Extraction.

## Experience

### Lecturer (Contractual)

Sept. 2022 – Present

*Brac University*

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 IT**  
*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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