

# Lamiya Ahmed

Dhaka, Bangladesh

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## Education

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### Master of Science in Computer Science & Engineering

CGPA: 3.42 out of 4.0

University of Dhaka  
(2023-Present)

### Bachelor of Science in Electrical & Computer Engineering

CGPA: 3.35 out of 4.0

Rajshahi University of Engineering & Technology (RUET)  
January, 2017 – December, 2022

### Higher Secondary Certificate: 2016

GPA: 5.00 out of 5.00

Birshreshtha Noor Mohammad Public College

## Research Works:

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- 1. Undergraduate Thesis:** Transliteration between Braille and Bangla Language using Convolutional Neural Network.
- 2. Master's Thesis:** Developing Driver's Facial Expression Analysis System to Predict and prevent Accidents
- 3.** Developing a Schizophrenia Prediction System from Brain MRI Image Processing

## Research Interests:

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- Machine Learning
- Computer Vision
- Artificial Intelligence

## Projects:

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- **Customized Hand Gesture Recognition System:** Implemented Google's MediaPipe to build a customized hand gesture recognition system. The model has been trained with a custom dataset.
- **Object Detection:** Worked with the YOLOv8 model and trained it to detect squirrels in a sample video.
- **Face Recognition System:** Utilized OpenCV to train the Face Recognition model.

## Technical Skills

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### Programming Languages

- Python
- C++
- C
- MATLAB

## Work Experiences

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- **Game Content Intern** -Battery Low Interactive Ltd (September 2020-January 2021)
- **Industrial Attachment**-Computer Ease Limited (April 2021- July 2021)

## Voluntary Experiences

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- **Secretary**- IEEE Computer Society RUET Student Branch Chapter (2021-2022)
- **Lead Volunteer**- IEEE Computer Society Bangladesh Chapter-SPARK (January 2021-December 2021)

## Tests

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**IELTS-8.0**(Listening:9.0; Reading:8.0; Writing:7.5; Speaking:7.5)

**GRE**-(Quant:161, AWA:4.0, Verbal: 148, Total:309)