

# Ahsan Habib | Candidate for FYAT Mentor (Spring 2026)

Department of Computer Science and Engineering – BRAC University

✉ 01601580044 • ✉ ahsan.habib1@g.bracu.ac.bd

in ahsan-habib-0b3a62230

## Student Information

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**Student ID:** 22201027

**Department:** Computer Science and Engineering (CSE)

**Status:** Undergraduate (Final Year)

**Personal Email:** ahsanauddry.ndc@gmail.com

## Profile

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I am a final-year CSE student (96+ credits, CGPA 3.71) who enjoys combining technical skills with community engagement. Beyond my academic coursework and thesis, I have professional experience building websites for NGOs and volunteer experience supporting university clubs. I have a diverse background in arts and sports, including Taekwondo training at BKSP. I am eager to use my experiences to guide new students and help them find their own path at BRAC University.

## Education

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### BRAC University

Dhaka

*Bachelor of Science in Computer Science and Engineering, CGPA: 3.71 / 4.00*

Jan 2022 – Present

○ **Credits Completed:** 96+ Credits (Requirement Met: >45)

○ **Residential Semester:** Completed Summer 2023 (RS63 batch) at Savar Campus

### Notre Dame College, Dhaka

Dhaka

*Higher Secondary Certificate (HSC), GPA: 5.00*

2021

Group: Science

### Satkhira High School

Satkhira

*Secondary School Certificate (SSC), GPA: 5.00*

2019

Group: Science

## Professional & Co-Curricular Experience

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### ATMABISWAS (NGO)

*Web Developer (Contract)*

7 Months

- Hired to design and develop the official website for “ATMABISWAS,” a non-profit organization.
- Delivered a fully functional site to help them establish an online presence, meeting all client requirements professionally.

### BRAC University Cultural Club (BUCuC)

*General Member & Technical Support*

Member

- Active general member participating in club events and cultural activities.
- Voluntarily developed the backend for the club's website to help manage events and member data.

### BKSP, Khulna

*Taekwondo Training*

*Trainee*

- Completed a 1-month intensive residential sports training program at the Bangladesh Krira Shikkha Protishtan (BKSP).

## Academic & Technical Projects

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### CSE470 - Software Engineering

*SafeTails - Pet Safety Platform (Full Stack)*

*Ongoing*

- Developing a pet rescue platform using **Next.js, TypeScript, and MongoDB** to help find missing pets.
- Building features like real-time location pinning, user authentication, and vet appointment scheduling.
- Created a secure multi-role system (User, Vet, Admin) to manage community alerts effectively.

### CSE350 - Digital Electronics

*Dual-Arduino Tic-Tac-Toe (Embedded Systems)*

*Summer 2025*

- Built a distributed game system using two Arduino Unos communicating via **UART protocol**.
- Designed a "Master-Slave" architecture where one board handles game logic and the other controls a 3x3 LED display.
- Solved complex I/O pin limitations by splitting tasks between two microcontrollers.

### CSE341 - Microprocessors

*Digital Voting Machine (Assembly Language)*

*Spring 2025*

- Developed a secure voting system using **8086 Assembly** that runs on EMU8086.
- Implemented admin login, candidate management, and a "one-person-one-vote" security feature.
- Used low-level interrupts (INT 10h/21h) to create a clean user interface for voters.

### CSE422 / CSE423

*AI & Graphics Algorithms Repository*

*Summer 2025*

- Created and maintained a solution repository for Artificial Intelligence and Computer Graphics assignments.
- Solved complex algorithms in three languages (**Python, Java, JavaScript**) to help peers understand different implementation approaches.

## Skills

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- **Tech:** MERN Stack, PHP, MySQL, Python, C++, Git/GitHub, VS Code.
- **Soft Skills:** Mentoring, Client Communication (NGO Project), Teamwork, Art & Creativity.
- **Languages:** Bengali (Native), English (Professional).

## Honors & Awards

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**University:** VC's List / Dean's List (Received for academic excellence)

**University:** Merit-Based Scholarship, BRAC University

**Arts:** 1st & 2nd Place in Drawing and Art Competitions (School Level)

**Sports:** 1st Position in Annual Sports; Completed BKSP Taekwondo Training