

Ayon Roy

CSE Graduate

<https://ay-on-roy.github.io/Portfolio/>

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ayonroycvc@gmail.com | [Middle Badda, Dhaka, Bangladesh](#) | [Born: May 29, 2001](#)

Summary

I am a detail-oriented professional and a recent graduate in CSE from BRAC University. Experienced as a Student Tutor, where I helped students in programming issues and problem-solving. Passionate about technology, programming, and continuous learning. Skilled in web development, programming, and machine learning, with experience delivering practical solutions through nine academic projects, including eight group-based projects that strengthened collaboration and leadership skills. Enthusiast to continuous learning and contributing to impactful innovations.

Skills

- **Web Language:** HTML5 (Skilled), CSS (Good), React (Fair), Django (Fair), PHP (Good)
- **Database:** MySQL (Proficient), PostgreSQL (Fair)
- **Programming Language:** Python (Skilled), Java (Good), C (Good), Assembly (Fair)
- **Machine Learning:** Numpy, Pandas, Scikit-learn, Pytorch, Tensorflow, Keras, KNN, CNN, LSTM, BiLSTM, BERT (mT5), BLEU, Transformer (All Proficient).

Thesis Details

NLP - Advancing Bangla Machine Translation Through Informal Datasets

- Pytorch, Tensorflow, Keras, LSTM, BiLSTM, BERT (mT5-large), BLEU

Professional Experience

- Adjunct Lecturer** July 2025 - Present
Computer Science and Engineering Department, **BRAC University**
-> Courses teaching: Object Oriented Programming & Introduction to Robotics
- Digitalyst Internship, Radio Service Management** May 2025 - July 2025
Tigers Den, Banglalink Communication Ltd
-> Worked on service automation team
-> Key Technologies: Python, Flask Api, PHP, JS
- Intern, Information Technology** March 2025 - April 2025
Head Office, **NCC Bank PLC.**
-> Worked on a Fraud Detection System with the ML team.
-> Worked on Application Development Team (Indexing & Application Development).
- Internship, Data Visualization Associate** March 2025 - April 2025
Online, **Excelerate** (Dubai | USA, About: <https://4excelerate.org/about-us/>)
-> Worked with global students on different data visualization techniques (e.g., Looker Studio).
- Student Tutor** May 2023 - September 2024
Computer Science and Engineering Department, **BRAC University**
- Programming Language 1 May 2023 - September 2023
- Discrete Mathematics October 2023 - September 2024
-> Helped students in their programming basics and logic building.
-> Worked with faculties to check quiz scripts and make student's grade sheets.

Education

- i. **Bachelor of Computer Science and Engineering** (BSc in CSE),
BRAC University
October 2020 - October 2024 | **CGPA: 3.9**
- ii. **Higher Secondary School Certificate (HSC)**,
Cumilla Victoria Government College
2019 | **GPA: 4.83**
- iii. **Secondary School Certificate (SSC)**,
Cumilla Modern High School
2017 | **GPA: 5.00**

Projects

- 1. **GadgetEarth**: An e-commerce platform (React & Django)
- 2. **USIS Routine Generator**: University Routine Generator (HTML, CSS, MySQL, JS)
- 3. **Intercity Transit System**: Bus Ticketing Service (HTML, CSS, MySQL, JS)
- 4. **Online Payments Fraud Detection**: Classify fraud in online transactions
- 5. **Detecting Sarcasm in English**: Classification slang and sarcasm in sentences
- 6. **Blind Stick with Morse Code Response & GSM**: Using Arduino & different Sensors
- 7. **Snake Game**: Using basic OOP principles
- 8. **Bowling Game Model**: Graphics game (Pygame)
- 9. **Water Level Indicator**: Using 3-8 Decoder

Extracurricular Activities

- i. General member at BUCC (BRAC University Computer Club)
- ii. Volunteer at BYSO

Certifications

- i. HP life certified **Effective Leadership**
- ii. DataCamp certified **Data Analysis in Excel**
- iii. Simplilearn certified **Introduction to MS Excel**
- iv. Great Learning Academy certified **Selenium Basics**
- v. Udemy certified **Data Privacy and Protection Auditor (CDPPA)**

Languages

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|------------|----------------|
| 1. English | Fluent |
| 2. Bangla | Native |
| 3. Hindi | Conversational |

Hobbies

- | | |
|-------------------|---------------|
| i. Riding Bicycle | ii. Traveling |
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References

Dr. Farig Yousuf Sadeque
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Signature



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