Ab Rahim Ahmed Sowrov

Curriculum vitae

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Simson Road, Dhaka-1100, Bangladesh.
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Personal Details

Date of Birth: 25 June 2002
Gender: Male
Marital Status: Single
Nationality: Bangladeshi
Religion: Islam
Blood Group: O+

Soft Skills

- **Programming**: C, C++, Java, Python, NumPy, Matplotlib, MATLAB, SQL.
- **Machine Learning**: TensorFlow, Keras, Scikit-learn.
- **Web development**: HTML, CSS, JavaScript, PHP, Laravel.
- **Operating Systems**: Windows, Linux.
- **Electronics**: Arduino, Microcontrollers.

Professional Skills

- Ability to learn anything quickly
- Leadership and teamwork
- Observation and critical thinking
- Problem solving and research
- Communication and empathy

Education

[2025— Present]   **Master of Science**
Bangladesh University of Engineering and Technology **(BUET)**
Department of Computer Science and Engineering (CSE)
1st semester ongoing

[2020—2024]   **Bachelor of Science**
East West University **(EWU)**
Department of Computer Science and Engineering (CSE)
CGPA: 3.85 (out of 4.00)

[2017—2019]	**Higher Secondary Certificate (HSC)**
	St. Gregory's High School & College
	GPA: 3.92 (out of 5.00)

[2015—2017]	**Secondary School Certificate (SSC)**
	Bangladesh Bank Adarsha High School
	GPA: 5.00 (out of 5.00)

Academic Experience

[Oct 2025 – Present] **Teaching Assistant (TA)**
At *Bangladesh University of Engineering and Technology*
Responsibilities: Provide timely guidance to help students
course material, and collaborate with instructors.

[Oct 2025 – May 2025] **Graduate Teaching Assistant (GTA)**
At *East West University*
Responsibilities: Offering guidance and support as needed to ensure
students' understanding and success in the course. Assisting
instructors in delivering lectures while providing support to students
with assignments, quizzes, exams, labs, and projects.

[Feb 2023 – Oct 2024] **Undergraduate Teaching Assistant (UTA)**
At *East West University*
Responsibilities: Supporting the primary instructor and students
during lectures. Assist the instructor with assignments, quizzes,
exams, labs, and projects.

Publications

1. N. Vasker**, A. R. A. Sowrov**, M. Hasan, M. S. Ali, M. R. A. Rashid and M. M. Islam, "Unmasking Ovary Tumors: Real-Time Detection with YOLOv5," 2023 4th International Conference on Big Data Analytics and Practices (IBDAP), Bangkok, Thailand, 2023, pp. 1-6, doi: 10.1109/IBDAP58581.2023.10271954.

2. Sarker, I. A., **Sowrov, Ab. R. A**., Prova, S. I., Morshed, Md. A., & Reza, A. W. (2025). Optimizing Deep Learning Models for Chest Radiograph Classification: A Multi-model Evaluation with Image Enhancement Techniques to Diagnose Pulmonary Disorders. In Lecture Notes in Networks and Systems (pp. 301–318). Springer Nature Singapore. https://doi.org/10.1007/978-981-96-6066-7_22

Awards

1. *Merit Scholarship [Fall - 2023]*

   100% Tuition Free Merit Scholarship awarded to the top 10% students who have completed at least one-fourth of the total credit requirement of the undergraduate program during the immediate past year with a CGPA of 3.90 and above.

2. *Merit Scholarship [Fall - 2022]*

   100% Tuition Free Merit Scholarship awarded to the top 10% students who have completed at least one-fourth of the total credit requirement of the undergraduate program during the immediate past year with a CGPA of 3.90 and above.

3. *Medha Lalon Scholarship [Fall - 2021]*

   This financial assistance Scholarship is awarded from the annual earnings of the East West University Medha Lalon Fund. To be eligible for the Medha Lalon Scholarship, an undergraduate student must earn the desired credits in the last one year with a CGPA of 3.50 or above.

External Licenses & Certifications

Nov – 23   **AI For Everyone**
DeepLearning.AI | Coursera (Online)
Credential ID: 9E3GFLPN9CNG

Oct – 23   **Inferential Statistics**
University of Amsterdam | Coursera (Online)
Credential ID: YSSTXNJW4LN3

Aug – 23   **Understanding and Visualizing Data with Python**
University of Michigan | Coursera (Online)
Credential ID: TTSU2LPXN3ZT

July – 23   **Python Essentials 1**
Cisco (Online)
Credential ID: 83fbcbb3-15ef-4584-8f21-9e7f1457d5a1

July – 23   **Python for Data Science, AI & Development**
IBM | Coursera (Online)
Credential ID: FTNSF75SQ76A

July – 23   **Foundations: Data, Data, Everywhere**
Google | Coursera (Online)
Credential ID: 5CK437WSP3TL

June – 23   **What is Data Science**
IBM | Coursera (Online)
Credential ID: ZGL9M3LHTRHU

Nov – 22   **Structured Query Language**
Sololearn (Online)
Credential ID: CT-GJSTK537

Oct – 22   **CareerX 23**
Bangladesh Youth Leadership Center (BYLC)
Credential ID: CX23025

Extracurricular Activities

EWU Computer Programming Club

General member of the programming club

Responsibilities:

- Participation in the contest or seminars
- Volunteering in the events and competitions

EWU Robotics Club

General member at EWU Robotics Club

Responsibilities:

- Organizing events and competitions
- Enrolling students in various seminars