Abrar Ahmed

BSc Computer Science and Engineering, Graduate

Dhaka, Bangladesh • abrargroad2000@gmail.com • +8801909606297

PROFESSIONAL EXPERIENCE

AI/ML ENGINEER   **Celloscope**
TRAINEE   2025-Present

- Developed machine learning models, including Vision-Language Models (VLM), for automated analysis of workout videos, enabling detection of posture errors and feedback generation.
- Built computer vision pipelines to extract frames, align movements, and evaluate exercise correctness using reference data.

ROBOTICS CLUB   **BRAC University**
EXECUTIVE   2021-2023

- Event Volunteering: In 2022, volunteered for and made substantial contributions to the success of the "Traction: OmniVerse" fest in Brac University. I also participated in the Soccer Bot tournament during the event.
- Event Organization: In the same year, I organized "SPV4," a successful Valorant tournament, within the Strategic Planning department. I demonstrated strong leadership and management skills while effectively planning and executing all aspects of the event, overseeing various tasks to ensure its success.

BNMPC INFORMATION TECHNOLOGY CLUB   **Birshrestha Noor Mohammad Public College**
SECRETARY   2019-2020

- Club Leadership: Acted as an active panelist with a focus on leadership within the club, assuming responsibilities such as mentoring members and volunteers. Contributed to the creation of a comprehensive guideline book for future club leaders and conducted graphic design classes for members.
- Event Management: Served as the Event Manager for "Technobit 2.0," a two-day inter-fest at the college in 2019. Led meticulous planning and execution of all event aspects, providing guidance to volunteers for seamless execution. Additionally, played a key role in the execution of the "Technobit" fest in 2018.
- Leadership and Coordination: Demonstrated strong leadership skills by guiding both volunteers and club members, contributing to the club's growth and development.

SKILLS

1. Proficient in Python and JavaScript.
2. Experienced in Machine Learning, Vision-Language Models (VLM), Large Language Models (LLM)

and Retrieval-Augmented Generation (RAG).

3. Skilled in Image Processing and Natural Language Processing (NLP).
4. Strong grasp of Data Structures and Algorithms.
5. Web development expertise with HTML, CSS, JavaScript, Handlebars, React, NodeJS, ExpressJS, and basic experience with WebSocket communication.
6. Highly skilled and experienced in teaching.
7. Excellent problem-solving and critical thinking abilities.
8. Proven ability to perform under pressure and deliver results efficiently.

EDUCATION

BRAC UNIVERSITY   **Dhaka, Bangladesh**

Bachelor of Science, Computer Science & Engineering   2021-2025
CGPA: 3.62
THESIS: *Corporate Vitality Insight: Strategic Evaluation and Analysis through NLP - Developed machine learning models and applied NLP techniques to analyze business data for vitality insights.* <u>Thesis Link</u>

BIRSHRESTHA NOOR MOHAMMAD PUBLIC COLLEGE   **Dhaka, Bangladesh**

Higher Secondary School Certificate   2018-2020
GPA: 5.00

Secondary School Certificate   2016-2018
GPA: 5.00

JUNIOR LABORATORY HIGH SCHOOL   **Dhaka, Bangladesh**

Junior School Certificate   2015
GPA: 5.00

LINKS

1. Social Contact Links: <u>LinkedIn</u>, <u>Github</u>, <u>Facebook</u>
2. Personal Portfolio: <u>Click</u>