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EDUCATION

M.Sc. in Computer Science and Engineering
Chittagong University of Engineering and Technology
2024-present Chittagong, Bangladesh

B.Sc. in Computer Science and Engineering
Chittagong University of Engineering and Technology
2019-2024 Chittagong, Bangladesh
CGPA: 3.88/4.00 (with honors)

Higher Secondary Certificate (HSC)
K.C. Shaheed Ziaur Rahman College
2016-2018 Chittagong, Bangladesh
GPA : 5.00/5.00

Secondary School Certificate (SSC)
Jobra P.P High School
2014-2016 Chittagong, Bangladesh
GPA : 5.00/5.00

EXPERIENCE

Samsung R&D Institute Bangladesh
Internship
August 2024-Current Dhaka, Bangladesh
Contributing to projects on formal methods for neural network verification and AI-based testing from GUI.
Working on a patent project focused on enhancing user privacy features.

New Technology System Ltd.
Industrial Attachment
September 2023 Chittagong, Bangladesh
Learned about their business cycle.
Gained knowledge about VAT software they created and VAT Transaction Flow.

PROJECTS

CUET BloodUnity Platform
Designed and implemented an application that links individuals requiring emergency blood with donors, leveraging React Native, Node.js, and PostgreSQL.
CUET Blood Unity Platform

CS Monitor
This project is about a computer science-based blog website implemented using React, Node.js, and MySQL.
CS Monitor

Activity Recognition and Agent Detection
In this thesis work, focused on activity recognition with agent detection using vision transformer and detection transformer model to recognize activities and identify agents involved in these activities.
Action with Agent

ACHIEVEMENTS

- Solved 1500+ problems on various online judges.
- Ranked 4th out of 131 based on CGPA.
- Multimodal Abusive Language Detection at Dravidian LangTech@EACL 2024
Achieved 1st position with a team, and acceptance of a paper on this task.
- Detection of Fake News at Dravidian LangTech@EACL 2024
Attained 1st place as a team, and acceptance of a paper on this task.
- Stress Identification at LT-EDI@EACL2024
Our team achieved 9th and 15th rankings in the competition and paper on this task was accepted.
- CUET NLP competition 2023
5th position with a team.

SKILLS AND INTEREST

- **Programming Languages:** C | C++ | Python | JavaScript
- **Frameworks:** PyTorch | Tensorflow | React | NodeJS
- **Libraries:** Pandas | NumPy
- **Other Skills:** ML | DL | Computer Vision | Git
- **Interests:** Data Structures | Algorithms | ML | DL | NLP | Computer Vision

Online Judge Profiles:

- Codeforces 
- Leetcode 
- CodeChef 
- AtCoder 

REFERENCES

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Chair IEEE Bangladesh Section

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