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Education

- 2023 – Present **M.Sc., Computer Science & Engineering**, East West University, Dhaka, Bangladesh.
CGPA: 3.8 out of 4.00
- 2019 – 2023 **B.Sc., Computer Science & Engineering**, University of Dhaka, Bangladesh.
CGPA 3.65 out of 4.00, ranked 8th among 210 students **Thesis**: MedicalBERT: A Medical Chatbot Built Using, BioBERT and GPT-2

Technical Skills

- **Programming Languages**: C, C++, Java, Python
- **Libraries & Framework**: Pandas, Matplotlib, Selenium, PyTorch, Tensorflow
- **Data Structures and Algorithms**.
- **Web**: Flask, SQL, Javascript

Experience

- August 2023 – Present **Graduate Teaching Assistant**, East West University, Dhaka, Bangladesh.
- Courses Taught: Algorithms, Data Structures, Object Oriented Programming, Machine Learning, AI.
 - Coached the teams of EWU programming club to their best performance in a competitive programming contest.
 - Developed a virtual lab that gave auto-generated feedback to help beginners learn to implement basic Machine Learning.

Competitive Programming

- Programming Contest ◦ **10th**, Inter University Programming Contest, 2022

Awards

ICO Best Presenter Award, 2023, Thailand.
Awarded by my ICO-2023 for achieving excellence in paper presentation.

Publications

- Primary Author **MRI-Based Brain Tumor Classification Using Various Deep Learning Convolutional Networks and CNN**, *ICO 2023*.
- Primary Author **Brain MRI Classification for Alzheimer's Disease Based on Convolutional Network**, *ICO 2023*.
- Primary Author **Green Banking Through Blockchain-Based Application for Secure Transactions**, *ICO 2023*.
- Co-Author **Solving Hamiltonian Path Problem Using DNA Computing**, *GenCITY 2023*.
- Primary Author **Education Certificate Storage and Verification using Blockchain and IPFS**, *ICO 2024*.
- Co-Author **A Review on Mitigating Security Risks: Effective Strategies to Prevent Cross-Site Request Forgery Vulnerabilities**, *CIIR 2024*.

Academic Projects

- ML Project **Real Time Garbage Collector**, Stack: Python, Flask, 2023.
A novel approach for ensuring garbage collection in real-time from anywhere.
- Web. Eng. Project **Employee Management of Hotel Using Face Recognition**, Stack: Django, Redis Python, MySQL, HTML, CSS, 2022.
A website that recommends hotel rooms, Real-time employee management, allows users to search, share, review, write, and discuss rooms.
- Mathematics for CS Project **Credit Card Fraud Detection**, Stack: Python, scikit-learn, 2021.
Credit Card Fraud Detection with Machine Learning model that will provide the best results in revealing and preventing fraudulent transactions

Voluntary Activities

- Taught Mathematics to underprivileged children at VBD from 2018 to 2019.
- Developed website on Question Answering in the **Quantum Method** Office at Banasree, Dhaka.
- Volunteered in several programs for street children organized by **Community Action**.