

MD. Mehedi Hasan Emon

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EDUCATION

Khulna University of Engineering & Technology (KUET)
B.S. in Computer Science and Technology

Expected graduation date: February. 2024
CGPA: 3.72/4.00

TECHNICAL SKILLS

- **Programming Languages:** C (Expert), C++ (Expert), Python (Intermediate), Java (Basic)
- **Database:** MySQL, Oracle
- **Framework & SDK:** Angular, Django REST framework, Flutter, ASP.NET, Android, IOS
- **Misc:** GIT, TypeScript, HTML, CSS, OpenGL, LaTeX

MAJOR ACADEMIC PROJECTS & THESIS

Real-time detection and recognition of Bangladeshi traffic signs (Thesis - Ongoing) *Computer Vision, YOLOv8*

- Implemented real-time Bangladeshi traffic sign detection using YOLOv8, from dataset creation and model training to deployment and optimization for live video feeds.

SGIPC Official Website

Angular, Django REST framework, TypeScript, Python

- Designed and built the official website for SGIPC (Special Group Interested in Programming Contest) using Django Rest Framework as the backend and Angular as the frontend.

A WEB-based system for Career Development and Employment

Angular, Django REST framework, TypeScript

- Created a comprehensive career development website by combining key features from Facebook, LinkedIn, and Fiverr, utilizing Django Rest Framework as the backend and Angular as the frontend.

Facebook Clone Web Application

Angular, ASP.NET, TypeScript, HTML, CSS

- Facebook clone web application using ASP.NET as the backend and Angular as the frontend, demonstrating proficiency in full-stack web development.

Lost and found Flutter Application

Flutter, Dart

- Designed and developed a Lost and Found mobile application, empowering users to post lost items and facilitating communication when found.

CR Assistant Android Application

Android, Java

- A Class Representative Android application enabling users to post messages, facilitate group communication, and seamlessly manage events on an in-app calendar.

Contest & Achievement

- **Dean's Award (Academic Year: 2019-2020).**
- **ACM ICPC Regionalist (Dhaka site) 2023** ranked 74th in 2023 regional out of 225 teams.
- **ACM ICPC Regionalist (Dhaka site) 2022** ranked 16th (Official) in 2022 regional out of 162 teams.
- **BUET inter-university programming contest 2023** ranked 19th out of 100 teams.
- **Cefalo CodeFiesta 2022: AUST IUPC** ranked 54th.
- **SRBD Code Contest - 2023 (Round 2)** ranked 98th.
- **KU Khulna regional inter-university programming contest** ranked 9th.
- **Intra Kuet Programming Contest 2022** ranked 5th.
- **Intra Kuet Programming Contest 2020** ranked 22nd.

Profiles

- Solved **1000+** problems on **codeforces**, (max rating: **1663**, expert). ID: **Emon72**
- 4* in **codechef** (max rating: **1820**). ID: **emonkuet2018**
- Solved **308** problems in **atcoder**. ID: **Emon_72**
- Solved **63** problems in **CSES**. ID: **Emon_72**

Responsibilities

- **Web Manager:** SGIPC (Competitive Programming Club of KUET)
- **Tester, problem setter and judge:** Intra KUET programming contest 2023