Towfiq Ul Iqbal Tomal

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Education

- **Khulna University of Engineering & Technology**   **January 2020 - April 2025**
  B.Sc. in Computer Science and Engineering
  CGPA: 3.55/4.00 until 4th year 1st semester

Technical Skills

- **Language:** C, C++, Java, SQL, Python, Laravel, Verilog , Assembly
- **Expertise:** Problem-Solving, OOP, Data Structures and Algorithms, Image processing, Deep Learning
- **Development Tools & Platforms:** Android Studio, Oracle Database, Firebase, MySQL, Google Collab, Jupyter Notebook
- **Frameworks :** Laravel
- **Technologies:** Github

Thesis

Automatic Number Plate Recognition Addressing Adverse Situation Utilizing Single Shot Detectors

Projects

Smart Attendance Taker
- An Android app for taking attendance and generating monthly attendance Sheet.

Android | Java | Firebase

Shady's Gym
- A Laravel based web application for a particular Gym.

Laravel| MySQL

Cardiac Recorder
- Android app to track cardiac health records with UI and unit test integration. It was a project to mimic and use software development with a Team.

Android | Java| Firebase

Shop Chain Database Management System
- A small database management system for managing a Shop Chain . Includes Pl/SQL .

Oracle Database

Diabylzer
- A full-fledged Android app for Diabetes detection leveraging Deep Learning

Android | Java| Firebase

Teligati Rumble
- Two player dual fighting game utilizing game theory(Heuristic, Alpha-Beta Pruning, Genetic Algorithm) to train AI.

Python | PyGame

Attendx
- A peripheral system for RFID based attendance system with 2 step verification.

Arduino Uno| Arduino | PLX- DAQ

TomScanner
- A Scanner system based on image segmentation approach, without traditional OpenCV libraries for image segmentation.

Python| OpenCV

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Problem Solving

- **Codeforces :** https://codeforces.com/profile/Tomal_chan
- **Leetcode:** https://leetcode.com/u/Towfiq_Tomal/
- **GFG**: https://www.geeksforgeeks.org/user/tomal_san/
- **Vjudge:** https://vjudge.net/user/Tomal_san
- **CodeChef:** https://www.codechef.com/users/tomal_chan
- **Atcoder :** https://atcoder.jp/users/Tomal_chan

Position Of Responsibility

- Assistant Class Representative of CSE Department, KUET
- Class Representative of CSE Department, KUET
- Assistant Organizing Secretary Of CSE Department, KUET