

# Sazzadul Islam SHUVO



## PROFILE SUMMARY

Multidisciplinary engineering student passionate about integrating hardware and software. Skilled in VLSI design, robotics, programming, and PCB development, with a keen interest in intelligent automation and emerging technologies.

## CONTACT DETAILS

@ u2108057@student.cuet.ac.bd

+880 1316747917

GitHub | LinkedIn

## PERSONAL INFORMATION

- ◇ Status: **Undergraduate Student**
- ◇ Department: **Electronics and Telecommunication Engineering, CUET**
- ◇ Citizenship: **Bangladeshi**
- ◇ Languages: **English, Bengali**
- ◇ Hobbies / Interests: **Robotics, VLSI Design, Programming, 3D Design**

## SKILLS

- ◇ **Programming Languages:** C, C++, Java, Python, MATLAB
- ◇ **Web Development:** HTML, CSS, JavaScript, React, Node.js, MySQL/PHP
- ◇ **Hardware Automation:** TINA-TI, Arduino IDE / ESP-IDF / MicroPython
- ◇ **PCB Design:** EasyEDA, Proteus, Multisim

## EXPERIENCE

ROBOT SOCCERBOT DEVELOPER at *MIE Robolution 1.0 | AUST Mania Robo MIME 1.0 Challenge*

- ◇ **Robotics Competitions:** Built and programmed robots for inter-university contests; **1st Runner-Up** in MIE Robolution 1.0, CUET and AUST Robo Mania 1.0, winner of Soccerbot Challenge. Developed control logic, sensor integration, and motion algorithms.
- ◇ **PCB Designer:** Designed and simulated PCBs for Electronics using **Proteus** and **EasyEDA**.
- ◇ **Desmos Tutor:** Created interactive math visualizations; taught advanced graphing and transformations.
- ◇ **Volunteer, A Better Platform:** Supported education and healthcare initiatives for indigenous communities.

## EDUCATION

- ◇ B.Sc. IN ELECTRONICS & TELECOMMUNICATION ENGINEERING, *Chittagong University of Engineering and Technology*. **2021–Present | CGPA: 3.65/4.00 (till 4th semester)**
- ◇ HIGHER SECONDARY CERTIFICATE (HSC) IN SCIENCE, *Dr. Roushon Alam College, Brahmanbaria*. **2019–2020 | GPA: 5.00/5.00**
- ◇ SECONDARY SCHOOL CERTIFICATE (SSC) IN SCIENCE, *Fardabad Ideal High School, Brahmanbaria*. **2017–2018 | GPA: 5.00/5.00**

## CERTIFICATIONS

- ◇ **AUST ROBO MANIA 1.0** - CERTIFICATE OF ACHIEVEMENT, *AUST Robotics Club* ([←Click Here](#)).
- ◇ **ENHANCING DIGITAL GOVERNMENT & ECONOMY PROJECT**, *ICT Division, Bangladesh* ([←Click Here](#)).
- ◇ **MIE ROBULATION 1.0** - CERTIFICATE OF ACHIEVEMENT, *Department of MIE, CUET* ([←Click Here](#)).
- ◇ **CERTIFICATE OF HONOR**, *Banchharampur Upazila Welfare Association, Dhaka for outstanding SSC results* ([←Click Here](#)).

## PROJECTS

- ◇ **CNN FOR REGRESSION** — Trained CNN model for predicting continuous outputs. **Click→**
- ◇ **SMART HOME AUTOMATION SYSTEM** — Designed microcontroller-based home control system. **Click→**
- ◇ **BOOKSPHERE WEBSITE** —A Comprehensive Platform for book exchange, sales, reviews Community Sharing. **Click→**
- ◇ **DESMOS VISUALIZATIONS** — Created 2D/3D math visuals inspired by Stephen Hawking. **Click→**