Maowa Alam Khan

Electronics and Telecommunication Engineering Student

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Profile

Dedicated Electronics and Telecommunication Engineering student passionate about VLSI design and semiconductor technologies, with strong interest in chip design and hardware innovation, and experience in leading technical projects and events.

Education

B.Sc. in Electronics and Telecommunication Engineering　　　　　　　2023 – Present
Chittagong University of Engineering and Technology (CUET)
CGPA: 3.50 / 4.00 (up to 5th semester)

Higher Secondary Certificate (HSC)　　　　　　　2021
Brahmanbaria Govt. College, BrahmanBaria — GPA: 5.00 / 5.00

Experience

Program Coordinator — IEEE WIE Affinity Group, CUET　　　　　　　2025 – Present
Organized and coordinated national-level events, workshops and technical challenges promoting women in STEM. Contributed to planning, publicity and execution of WIE programs in collaboration with IEEE CUET SB.

Projects

Biometric Attendance System (2025)
Designed a fingerprint-based attendance system integrating microcontroller and database for accurate and secure student logging.

Echoes of the Hills: Indigenous People of Bangladesh (2025)
Developed an interactive educational website, Echoes of the Hills to preserve indigenous culture using HTML, CSS, JavaScript and a XAMPP-based backend for data management.

Coin-Based Multiport Charging System (2026)
Building a cost-effective public charging solution controlled by coin input and microcontroller-based power distribution.

Skills

Technical: Circuit design, Microcontrollers,Communication systems, Embedded hardware.
Programming: C, C++, MATLAB, Python (basic), HTML/CSS/JS.
Tools: Proteus, Multisim, MATLAB/Simulink, Arduino IDE.
Soft: Event coordination, Leadership, Coordination, Teamwork.

Achievements

- 4th place, DLD Project Showcasing (2025)

Languages & Interests

Languages: Bengali (Native), English (Fluent)
Interests: Embedded design, VLSI,IoT devices, communication systems, event organizing, photography