Mohammed Mahbub Alam

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Objective

B.Sc. in Electronics and Telecommunication Engineering with hands-on experience in VLSI design, digital circuits, and software development. Developed responsive portfolio website and CMOS logic-based security system. Seeking software, embedded systems, or digital circuit design internships to apply technical expertise in practical projects.

Education

Chittagong University of Engineering and Technology (CUET)   Jan 2023 – Present
B.Sc. in Electronics and Telecommunication Engineering   *CGPA: 3.27/4.00*
Relevant Courses: Data Structures, Digital Logic Design, Circuit Theory, Microprocessors

Government Hazi Muhammad Mohsin College   Jul 2019 – Nov 2021
Higher Secondary Certificate (Science)   *GPA: 5.00/5.00*
Awarded General Scholarship in HSC Examination

Technical Skills

Programming: C++, Python, JavaScript, HTML/CSS
Tools/Software: Git, GitHub, MATLAB, Proteus, NI Multisim, LaTeX
Concepts: Digital Logic Design, Data Structures & Algorithms, OOP, Circuit Simulation
Web Development: Bootstrap, Responsive Design, Frontend Development
Other: Embedded Systems, VLSI Fundamentals, FPGA Simulation

Projects

Personal Portfolio Website   *HTML, CSS, JavaScript, Bootstrap*
- Developed a responsive portfolio website showcasing 5+ technical projects, improving page load speed by 30%.
- Implemented mobile-first design with Bootstrap framework ensuring cross-browser compatibility.
- Deployed on GitHub Pages; received positive feedback from peers and instructors.

Logic IC-Based Security System   *CD4043, 7410, 7404 ICs*
- Designed and implemented password-protected security system using CMOS and TTL logic ICs.
- Integrated thief detection sensors achieving 95% accuracy in simulation tests.
- Collaborated in a 4-person team to complete the project ahead of schedule for ETE 206 course.

Certifications

- Google IT Support Professional Certificate (Completed 2024)

- Assistant Data Scientist (Ongoing, Expected 2025)

- MATLAB Onramp – MathWorks (Completed 2024)

Achievements

- General Scholarship recipient in Higher Secondary Certificate Examination

Languages & Interests

Languages: English (Intermediate), Bengali (Native), Hindi (Fluent)
Interests: Circuit design, Competitive programming, Electronics prototyping, Reading tech blogs