SAMIA HOSSAIN
EEE STUDENT

Contact

Email
samia.hossain1307@gmail.com

LinkedIn Profile
linkedin.com/in/samia-hossain-441858359

Portfolio
https://samia-1307.github.io/portfolio/

Education

Bachelor of Science in Electrical and Electronics Engineering

2021-present

Expertise

- Embedded Systems & IoT
- Control Systems & Automation
- Signal Processing & Machine Learning
- Hardware Prototyping & PCB Design
- MATLAB, Circuit Analysis & Programming (Python, C++, Arduino)

Language

English

Bangla

About Me

Electronics Engineering undergraduate with an interest in embedded systems, automation, and IoT.Experienced in microcontroller programming, circuit design, and hardware prototyping. Always eager to learn and apply engineering knowledge to practical projects.

Projects

- Solving the Steady State Heat Conduction Equation with Heat Generation in Two-Dimensional Space Using Numerical Methods
- An Analog Calculator (2-Digit Input) Utilizing Operational Amplifiers
- Rewinding a Single-Phase Induction Motor
- Modeling a Solar and Wind Turbine-Based Power Plant and Assessing the Impact of Overload Faults in the IEEE 6-Bus System
- EcoWatch: Smart Greenhouse Environment Management with Integrated Fire Safety Measures
- Biometric Authentication System for Classroom Management via Voice Recognition
- Automated Railway Traffic Management System
- Frequency Converter Featuring Real-Time Display and Tuning Capabilities
- Autonomous Fire Extinguishing Robot

Extracurricular Activities

- Participated in quiz competitions.
- Member of both the Math Club and the Science Club.
- Competed in poster competitions.