

Md. Rifat

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[Linkedin](#), [Github](#), [Portfolio](#)

Summary

Versatile Systems Engineer with a strong foundation in hardware programming (Arduino, ESP32) and communication protocols

Education

Sk Borhanuddin Post Graduate University and College - Running, CSE

Dr. Mahbubur Rahman Mollah College - 2025 H.S.C, Science

Technical Skills

- **Language :** C
- **Version Control:** GitHub
- **Hardware & Embedded Systems:** Arduino, ESP32
- **Tools:** Code-Insiders, Antigravity, VSCode

Featured Projects

Project 1 — Home Electricity Track

This project is an ESP32-based home electricity tracker designed to help you monitor the status of your home electricity remotely. It leverages Blynk for real-time status updates and Telegram for instant notifications, so you always know when your electricity is back - even if you're not at home.

Project 2 — Esp32 Weather Station

A simple, open-source weather station project using the ESP32 microcontroller. This project fetches real-time weather data from the OpenWeatherMap API and displays it on the Blynk IoT platform. Ideal for IoT enthusiasts, students, and portfolio showcases.

Project 3 — Arduino Ultrasonic Distance Meter

An Arduino-based Distance Meter using HC-SR04 Ultrasonic Sensor and I2C LCD. Features a dynamic buzzer alarm that beeps faster as objects get closer.

Achivements

Participated International Youth Math Challenge

Participated International Astronomy and Astrophysics Competition

Participated Platinum Science Society presents National Science Festival

Certificate of Wikibook Writing Competition 2024

Interests

Playing Chess, Photography, Solving Problems