Rakib Hossain

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Education

B.Sc. in Electrical and Electronic Engineering 2021 – 2025
Example University of Engineering and Technology *Dhaka*
- CGPA: 3.54 / 4.00 Major: Power Systems
- Thesis: *Load forecasting for a campus microgrid using LSTM networks*

Higher Secondary Certificate (Science) 2020
Example College *Chattogram*
- GPA: 5.00 / 5.00

Experience

Industrial Trainee, Substation Operations Jan 2025 – Feb 2025
Example Power Distribution Company *Dhaka*
- Shadowed engineers during maintenance of 33/11 kV substation equipment
- Studied protection relay settings and fault records for three feeders
- Wrote a training report on transformer maintenance, rated "excellent"

Lab Assistant (part-time) Mar 2024 – Dec 2024
Department of EEE, Example University *Dhaka*
- Set up circuits and machines labs for 120+ students each semester
- Helped students debug circuits and use oscilloscopes and power analysers

Projects

Smart Energy Meter with IoT Dashboard 2024
ESP32, C++, Firebase
- Built a meter that reports household power use to a web dashboard every 10 seconds
- Calibrated against a commercial meter to within 2% error

Solar Charge Controller 2023
MPPT, Arduino, PCB design
- Designed and soldered an MPPT controller for a 100 W panel; won second place in a department fair

Skills

Tools	MATLAB/Simulink, PSpice, ETAP, AutoCAD Electrical, Proteus
Programming	Python, C, C++, Arduino
Hardware	Circuit prototyping, soldering, PCB design (KiCad), ESP32
Languages	Bengali (native), English (professional working proficiency)

Activities

- Treasurer, IEEE Student Branch, Example University (2023 – 2024)
- Volunteer, flood relief electrical repairs in Sylhet (2024)