HOSEN MIAH

273/A, East Rampura, Dhaka-1219

https://www.linkedin.com/in/husseinbijoy

husseinbijoy7@gmail.com +8801970062070



PROFILE

B.Sc. in EEE Graduate with practical skills in circuit simulation, Programmings, and MS Office. Experienced in academic tutoring and mentoring. A quick learner and problem solver, seeking an entry-level role to gain practical experience and contribute effectively to team operations.

PROFESSIONAL EXPERIENCE

04/2022 – 08/2022
Banasree, Dhaka-1219, Bangladesh

Teacher Intern, Perfect Educare
I have taught science and various subjects to class II to 10 students there, and I have participated in question preparation and some advertisements for this popular coaching center

EDUCATION

2022 – Present
Purbachal American City, Rupganj, Narayanganj-1461, Dhaka, Bangladesh

Bachelor of Science (B.Sc.) in Electrical & Electronics Engineering,
Green University of Bangladesh
- CGPA: 3.04

2019 – 2021
Khilgaon, Dhaka-1219, Bangladesh

Higher Secondary Certificate,
Khilgaon Govt Colony Higher Secondary School And College
- GPA: 4.33

2018 – 2019
Shibchar, Madaripur- 7930 , Dhaka, Bangladesh

Secondary School Certificate, Rajarchar High School
- GPA: 4.17

INTERESTS

Power Electronics & Inverter Topologies, Power System Analysis & Stability, Renewable Energy Integration, Industrial Automation & IoT, Applied Machine Learning in Power Systems

SKILLS

Engineering Tools
MATLAB/Simulink, Proteus, EMU8086,AutCAD

Power Systems
Load Flow Analysis, Short-Circuit Analysis, Inverter Topology

Academic Mentorship

AI & Digital Design

Programming
C Programming, Python.

Hardware
PCB Design

Copywriting & Social Media Management

Office & Creative Tools
MS Word, Excel, PowerPoint,AI

RESEARCH

Design and Simulation of a Variable 15-Level Asymmetrical CHB Multilevel Inverter using SHE-PWM Technique

Supervisor- Dr. Md. Ahsanul Alam,, Green University Of Bangladesh
- *Focus: Analyzing harmonic reduction in Cascaded H-Bridge Multilevel Inverters (CHB-MLI).*
- *Methodology: Implementing Selective Harmonic Elimination (SHE) to improve power quality and efficiency.*

PROJECTS

Soil Moisture-Based Automatic Plant Watering System
Fall 2025

Supervisor- Prof. Dr. ASM Shihavuddin, Green University Of Bangladesh
Tools: Arduino, Proteus, Embedded C

Simulation of Ferranti Effect in MATLAB/Simulink
Fall 2025

Supervisor- Sourav Barua, Green University Of Bangladesh
Tools: MATLAB, Simulink

Load Flow and Short-Circuit Analysis of a 6-Bus Power System
Summer 2025

Supervisor- Dr. Md. Ahsanul Alam, Green University Of Bangladesh
Tools: MATLAB

Handwritten Digit Recognition
Spring 2025

Supervisor- Sakib Abdul Ahad, Green University Of Bangladesh
Tools: MATLAB

Multi-Lane Traffic Control with Pedestrian and Emergency Priority
Summer 2025

Supervisor- M M Naushad Ali, Md. Naiemur Rahman, Green University Of Bangladesh
Tools: ESP32 Microcontroller, RFID Sensors, Proteus

CERTIFICATES

Industrial Training –
Ghorashal Training Center,
BPDB

Excel Essentials for Workplace Productivity –
Passport to Earning
Bangladesh

Job Ready: Employability Skills (Basic Level) –
Wadhwani Foundation &
Green University

Joint Training Course –
EasyEDA & Green Robotics
Society

EXTRA-CURRICULAR ACTIVITIES

- **Digital Content:** Skilled in Professional Video Editing, AI-based design, and social media.
- **Creative Writing:** Expert in composing original songs, poems, and short stories.
- **Academic Mentorship:** Experienced in teaching Science and Mathematics.
- **Gaming & Sports:** Competitive interest in Mobile Gaming, Football, and Cricket.

LANGUAGES

Bangla ●●●●● English ●●●●○

REFERENCES

Dr. Md. Ahsanul Alam, *Associate Professor & Controller Of Examinations,*
Green University Of Bangladesh
ahsanul@eee.green.edu.bd

Dr. Md. Hasan Maruf, *Associate Professor & Chairperson Of EEE,*
Green University Of Bangladesh
chairman@eee.green.edu.bd