



TIRTHENDU DHARA

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EMAIL | dharatirthendu456@gmail.com
LOCATION | Vill:-Muralibar, Post :-Bagnan,
Dist:-Howrah, Pin-711303
EXPERIENCE | Fresher

Certification

- Retail Store Ops Assistant

Languages

- Bengali (R/W/S)
- English (R/W/S)
- Hindi (S)

Hobbies

- Playing Chess And Reading Books

Custom section

- Awards And Honor
 - First prize in chess tournament at the annual sports meet (2025-2026)

Extra curricular activities

- Making Electrical Gadgets

Projects

Automatic Solar Street Light System using Arduino

Designed and developed an Arduino UNO-based automatic solar street lighting system to improve energy efficiency and sustainability. The system utilizes solar energy as the primary power source, reducing dependence on conventional electricity. An LDR (Light Dependent Resistor) module detects ambient light intensity to automatically switch the street lights ON during nighttime and OFF during daytime. Additionally, an IR sensor detects human or vehicle movement; the light operates at dim mode under normal conditions and increases to full brightness upon motion detection. This dual-control mechanism minimizes energy wastage, enhances operational efficiency, and promotes sustainable lighting solutions.

Internship:

West Bengal Power Development Corporation Limited (WBPDCCL) Bakreswar Thermal Power Plant – 14 Days

Completed simulator-based training at Bakreswar Thermal Power Plant focused on thermal power plant operations and process control systems. Gained practical exposure to boiler operations, fan systems, fuel supply management, safety procedures, and plant process monitoring. Trained to handle routine operations, emergency situations, and equipment malfunctions in a simulated control room environment. Developed understanding of plant control layouts, operational safety standards, and real-time decision-making without risk to actual equipment.

Profile Summary

A dedicated and hardworking **Electrical Engineering** graduate seeking a challenging position where I can apply my academic knowledge and problem-solving skills to contribute effectively to organizational growth while continuously enhancing my technical and professional abilities.

Education

Diploma - Electrical

2026

Engineering Institute for Junior Executives

Grade - 63.83 Up to 5th semester

Class-10th

2023

Bagnan High School, WBBSE

Grade - 65.29%