

JABED SHARIAR

BSc. IN EEE



DIU, DSC, Dhaka

shariar33-1531@diu.edu.bd

<https://jabedshariar.github.io/jabedshariar/>

+880 18392-53317



PROFILE

Motivated Electrical and Electronic Engineering (EEE) student at Daffodil International University, with a solid foundation in circuit design, programming, and power systems. Committed to continuous learning and eager to contribute to technology-driven solutions in the field of EEE.

ACADEMIC QUALIFICATION

- BSc in Electrical & Electronics Engineering**
Daffodil International University (2022–Present)
CGPA: 3.62 out of 4.00
- Higher Secondary School Certificate (HSC)**
Ispahani Public School & College (2018–2019)
GPA: 5.00 out of 5.00
- Secondary School Certificate (SSC)**
Noakhali Zilla School (2016–2017)
GPA: 5.00 out of 5.00

TECHNICAL SKILLS

- Simulation & Design Tools:** Proteus, MATLAB, Simulink, Fritzing, CST, AutoCAD 2D, Autodesk Fusion (basic).
- PCB Design:** Schematic capture and PCB layout using EasyEDA & Proteus.
- Programming Languages:** C, C++, Python.
- Hardware & IoT Platforms:** Arduino IDE, ESP32, Raspberry Pi (basic), Pixhawk (basic).
- IoT Project Design:** End-to-end IoT system development, sensor integration, and wireless communication (LoRa, Wi-Fi, etc.).
- Circuit Design & Prototyping:** Analog/digital circuit design, breadboard prototyping, and hardware implementation.
- Lab & Instrumentation:** Skilled in oscilloscopes, function generators, and electrical measurement tools

EXPERIENCE

- President, DIU Robotics Club (September 2025–Present)
- Industrial Trainee, Ghorashal Training Center (BPDB), Narsingdi (January 21 – February 3, 2025)
- Trainer & Instructor – "Introduction to Arduino and Motor Control Workshop", Organized by DIU Robotics Club (May 2025)
- General Secretary, DIU Robotics Club (January 2025 – August 2025)
- Assistant General Secretary, DIU Robotics Club (February 2024 – December 2024))
- Executive Member, IEEE DIU Student Branch (June 2024 –December 2024)
- Secretary, IEEE IAS DIU Student Branch (Mar 2024 – July 2024)
- Member Development Coordinator, IEEE IAS DIU Student Branch (August 2023 – March 2024)
- Ambassador, Daffodil International University for IEEE KUET Student Branch (August 2023 – October 2023)

PUBLICATIONS

- S. Roychoudhury, J. Shariar, and R. Alam, "**Analyzing fractional order systems of RL β Ca circuits: An HF-based efficient approach**," in *Proc. 2024 IEEE Int. Conf. Smart Power Control and Renewable Energy (ICSPCRE)*, Rourkela, India, 2024, pp. 1–6, doi: 10.1109/ICSPCRE62303.2024.10674916.
- J. Shariar, R. Rayhan, U. N. Rohit, H. M. R. Ahammed, and T. Fouzder, "**A solar-powered IoT system for real-time water quality monitoring using LoRa and machine learning**," in *Proc. 2025 IEEE 2nd Int. Conf. Computing, Applications and Systems (COMPAS)*, Kushtia, Bangladesh, Oct. 2025, pp. 1-6, accepted for presentation.

PROJECTS

- Performance Analysis of Photovoltaic Panel with ML [2025]
- A solar-powered IoT system for real-time water quality monitoring using LoRa and machine learning [2025]
- Overheat Protection of Motor [2024]
- PLC-Based Temperature Control System [2024]
- Road Extraction from Satellite Images (MATLAB) [2023]
- Phone Call Detector [2023]
- Safe Guard Fire Alarm [2022]
- Full Flat Layout Design (AutoCAD) [2022]
- Project Agrobot 1.0[2022]

ACHIVEMENTS

- 7th Position in DIU Growing Star Program, 2022.
- 13th Position in District-Level Physics Olympiad, 2016.
- Certified organizer of the Drone Challenge Segment at the **4th International Robotics Olympiad** [2024].
- Certified coordinator of events with **DIU Robotics Club**, including IIOT Workshop [2024] and 3D Design with Autodesk Fusion Workshop [2024].
- Certified organizer of workshops with **IEEE IAS DIU Student Branch Chapter**, including Digital Marketing Workshop [2023], Machine Learning Mastery Workshop [2024], and Empowering Electric Mobility Innovation Workshop [2024].

INTERESTS

- Mobile Phones and Computer Technology
- Artificial Intelligence and Machine Learning
- IoT and Robotics
- Esports

REFERENCE

- | | |
|---|--|
| • Dr. Srimanti Roychoudhury
Associate Professor
Department of Electrical and Electronic Engineering
Daffodil International University
Dhaka, Bangladesh
Email: srimanti.eee@diu.edu.bd
Phone: (+91)9804401166 | • Dr. Md. Rezwanul Ahsan
Associate Professor
Department of Electrical and Electronic Engineering
Daffodil International University
Dhaka, Bangladesh
Email: ahsan.eee@diu.edu.bd
Phone: (+880)1712-599409 |
|---|--|