

# SAYAN MONDAL

Durgapur, West Bengal

 +91-8436517365

 sayanmondal2333@gmail.com

 sayan-mondal-746255314

 Sayanwebdev

 portfolio

## OBJECTIVE

Motivated and detail-oriented Engineering student with strong interest in software development, problem-solving, and modern programming practices. Seeking opportunities to build real-world projects, enhance my technical skills, and contribute effectively to software-based solutions.

## EDUCATION

**Dr. B. C. Roy Engineering College**  
*B-TECH - CGPA - 6.53(till 6th sem)*

**08 2022 – Expected 08 2026**  
*Durgapur, West Bengal*

**Maliara R. N. High School**  
*Higher Secondary Exam - Percentage - 73.6%*

**2022**

*Bankura, West Bengal*

**Nityananda pur High School**  
*Secondary Exam - Percentage - 62.57%*

**2020**

*Bankura, West Bengal*

## COURSEWORK / SKILLS

- |                                |                   |          |        |
|--------------------------------|-------------------|----------|--------|
| • Data Structures & Algorithms | System (SQL)      | • Python | • Java |
| • Database Management          | • Web Development | • Matlab | • C++  |

## PROJECTS

### Prepaid Energy Meter

The objective of the Prepaid Energy Meter project is to design and implement a smart energy metering system that allows consumers to pay for electricity before consumption. This system aims to promote efficient energy usage, eliminate billing disputes, reduce power theft, and provide real-time monitoring of energy consumption. By integrating prepaid functionality, the meter ensures that users are more aware of their energy usage patterns and helps utility providers improve revenue collection and system efficiency.

## INTERNSHIP

**BSNL**  
*Telecom Trainee*

**23 06 2025 – 18 07 2025**  
*BSNL Office, Burdwan*

- Visited the Main Switching Centre (MSC) and understood call routing and switching operations.
- Gained knowledge about Next Generation Networks (NGN) and their role in modern telecom architecture.
- Observed the functioning of Optical Line Terminal (OLT) and how it connects to Optical Network Units (ONU).
- Learned about optical fiber splicing, jointing techniques, and signal loss management in fiber links.
- Studied traffic diversion techniques and how network congestion is managed for uninterrupted service.

## TECHNICAL SKILLS

**Languages:** Python, Java, C, C++, JavaScript, SQL.

**Developer Tools:** VS Code.

**Technologies/Frameworks:** GitHub, ReactJS, Git.

## CERTIFICATIONS

- |   |   |   |                     |
|---|---|---|---------------------|
| • Python Internship<br><i>(Pinnacle Labs Pvt. Ltd.)</i> | • Web Development<br>Training<br><i>(SkillCraft Technology)</i> | • MATLAB Add-On Course<br><i>Dr. B.C. Roy Engineering (Be10x) College</i> | • AI Tools Workshop |
|---|---|---|---------------------|