

SAYAN MONDAL

Durgapur, West Bengal

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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

23 06 2025 – 18 07 2025

Telecom Trainee

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