

# 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 - 6.7(till 7th sem)*

**08 2022 – Expected 08 2026**

*Durgapur, West Bengal*

**Maliara R. N. High School**

**2022**

*Higher Secondary Exam - Percentage - 73.6%*

*Bankura, West Bengal*

**Nityananda pur High School**

**2020**

*Secondary Exam - Percentage - 62.57%*

*Bankura, West Bengal*

## COURSEWORK / SKILLS

- |                                |                   |          |          |
|--------------------------------|-------------------|----------|----------|
| • Data Structures & Algorithms | • Web Development | • Matlab | • C++    |
| • DBMS                         | • Python          | • Java   | • DevOps |

## PROJECTS

### PEMS(Predictive Energy Management System)

- Smart prepaid hybrid meter with weather prediction using LSTM to forecast demand and automatically shift energy between grid, solar, and battery for efficient and accurate management.

### Personal Portfolio Website

- Responsive portfolio showcasing skills and projects with clean UI. Live: (portfolio.sayan.qzz.io)

### Daily Habit Tracker Pro

- No-login habit tracker with visual progress monitoring and daily completion stats. Live: (habittrackerpro.onrender.com)

## 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, Linux.

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

## CERTIFICATIONS

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