

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
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
- 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

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, Linux.

Technologies/Frameworks: GitHub, ReactJS, Git.

CERTIFICATIONS

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