



# Snehasish Pradhan

2023 B. Tech Graduate

Hardworking fresh graduate seeks opportunity in a vibrant organization, which provides the best challenging environment to utilize my programming skills and knowledge, willingness to learn and efficiently contribute to organization's overall growth and success.



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## SKILLS

Procedural Programming Languages - C Language

Object-Oriented Programming Languages - C++, Core Java

Frontend Technologies - HTML, CSS, JavaScript

SQL PL/SQL

Software Development Life Cycle (SDLC)

Shell Scripting - Unix

## LANGUAGES

Bengali  
*Native or Bilingual Proficiency*

English  
*Full Professional Proficiency*

Hindi  
*Professional Working Proficiency*

## COURSEWORKS

- Data Structures and Algorithms
- Computer Network
- Web Technology
- Cyber Security

## INTERESTS

Music Sports

## EDUCATION

### Bachelor of Technology (B. Tech)

Cooch Behar Government Engineering College

08/2019 - 07/2023

9.20 CGPA

- Electronics and Communications Engineering

### XII Standard (Higher Secondary)

Nava Nalanda High School (H.S. Dept.)

06/2017 - 05/2019

90.80%

### X Standard (Secondary)

Nava Nalanda High School

2017

93.57%

## PROJECTS

### Academic Final Year Project - "Smart Traffic Monitoring System" (08/2022 - 06/2023)

- Employed sensors, cameras, and other data collection tools to capture **real-time information** about vehicle flow, congestion levels, and road conditions.
- Used **advanced algorithms**, so that the system can swiftly analyze the collected data to predict traffic patterns, identify congestion-prone areas, and anticipate potential traffic incidents.
- Facilitated **smooth communication** between vehicles and infrastructure, enabling features like real-time navigation updates.
- Generated **user-friendly visualizations** and **reports**, aiding traffic management decisions and providing valuable insights for urban planning.

### Portfolio Website (07/2023 - 08/2023)

- Developed a responsive portfolio website showcasing my skills, projects, and personal information using **HTML**, **CSS**, and **JavaScript**.
- Implemented a **mobile-first approach**, ensuring seamless usability and a consistent experience across **various devices** and **screen sizes**.
- Employed **CSS animations** and **transitions** to add subtle yet engaging effects, enhancing the overall user experience.
- Devised a dynamic user experience by incorporating **multiple theme colors**, allowing visitors to personalize their interaction with the website and enhancing overall visual appeal.

### Library Management System (08/2023 - 08/2023)

- Led the development of a comprehensive, automated library management system using **SQL** and **PL/SQL**, streamlining book borrowing, returns, and transaction tracking.
- Designed an **ER (Entity-Relationship) model** to visualize relationships between different entities, ensuring accurate data representation and minimal redundancy.
- Integrated a trigger-based mechanism to enforce **transaction time restrictions**, allowing book operations only during specified working hours and days.
- Created robust **stored procedures** for book borrowing, returning, and renewal, incorporated fine calculations logic, ensuring data integrity and accurate record-keeping.

## CERTIFICATES

'Problem Solving through Programming in C', conducted by IIT KHARAGPUR, NPTEL.

'Java Programming', conducted by Great Learning Academy.

'Oracle SQL', conducted by Great Learning Academy.

'Vocational Training' at North-East Frontier Indian Railways.