

# SANTANU PRADHAN

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## EDUCATION

**Nalanda Institute Of Technology, Bhubaneswar**

*B.Tech - Computer Science and Technology - CGPA - 8.3*

**2022 – 2026**

*Chandaka, Odisha*

## INTERNSHIP

**Web Developer Intern at SLK software service Private Limited** September 2025 - December 2025

*Role - Backend Developer*

*Remote*

- Worked as a Backend Developer Intern, contributing to the design and development of scalable REST APIs using Node.js and Express.
- Working on various projects using various coding methodologies.
- Implemented user authentication, search functionality, and a voting system for ranking answers.
- Handle the Database and created a responsive front-end using HTML, CSS and JavaScript.

## PROJECTS

**Real-Time collaborative code-Sharing** | [Nodejs, Express js, Mongodb, React, Socket.io](#)

**Nov 2025**

- Developed a real-time collaborative code-sharing backend using Node.js and Socket.IO.
- Implemented room-based WebSocket communication to synchronize code updates across multiple users.
- Designed event-driven architecture to ensure low-latency real-time collaboration.
- implement chat functionality in the room

**Leetcode-Node-Backend** | [Nodejs, Express js, Typescript](#)

**Jan 2025**

- Developed a backend API for a LeetCode-style coding platform using TypeScript, enabling structured problem retrieval, submission handling, and code evaluation services.
- Designed and implemented modular service architecture (e.g., Problem, Submission, Evaluation services) to support clear domain separation and scalable feature expansion.
- Utilized TypeScript's static typing to improve code quality, reduce runtime bugs, and enforce strong type safety across the backend
- Implemented evaluation logic to process and assess code submissions, enhancing automation of problem validation

**Blood Vault** | [Nodejs, Express, Mongodb, React](#)

**July 2025**

- Implemented real-time blood inventory tracking, enabling hospitals to check availability instantly and reducing delays during emergency requests.
- Designed and developed a centralized Blood Bank Management System to digitize donor records, hospital requests, and blood inventory management
- Automated hospital blood request workflow with status tracking (requested, approved, fulfilled), improving operational transparency.
- Integrated JWT-based authentication and role-based access control to ensure secure access for hospital staff and administrators.

## TECHNICAL SKILLS

**Languages:** Python, C, JavaScript, java, SQL

**Technologies/Frameworks:** HTML5, CSS3, React, MongoDB, Express, Javascript, Bootstrap, Numpy, Pandas, Matplotlib, Seaborn, Flask, Git

**Developer Tools:** Docker, VS Code, PyCharm, IntelliJ, scit-Learn,

## CERTIFICATIONS

- Apna Collage MERN Stack Course
- Code With Hary Data Science Bootcamp

## EXTRACURRICULAR

- \* Open Source Contributor
- \* Volunteer Experience: Contributed in Documentation team of Exocita 2025, in all events celebration of Institute