

# SANTANU PRADHAN

Balasore, Odisha

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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, React, Socket.io, codeMirror 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.
- implemented chat functionality in the room

### Neomeet ↗ | Nodejs, Express js, Webrtc, Socket.io Jan 2025

- Built a real-time video calling and chat application using WebRTC and Socket.io, enabling seamless peer-to-peer communication.
- Implemented multi-user room creation and joining system with unique Room IDs and JWT-based authentication.
- Developed a scalable backend using Node.js and Express, handling real-time messaging and call signaling.
- Designed responsive frontend using React.js, integrating live chat, video streaming, and dynamic UI updates.

### BloodVault ↗ | 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 IDEA, Scikit-learn

## CERTIFICATIONS

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

## EXTRACURRICULAR

\* Open Source Contributor

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