

# SUBIN\_RAI

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## Professional Summary

Recent BSc (Hons) Computing graduate with strong foundation in Node.js, React, React Native. Experienced in developing full-stack web applications and real-time solutions through academic projects and internships. Seeking an opportunity to leverage technical expertise in backend development or full-stack development role.

## Technical Skills

- **Programming Languages:** JavaScript, Python, TypeScript
- **Web Technologies:** React.js, React Native, .NET Web API
- **Database Management:** MySQL, MongoDB, Postgresql
- **Tools & Platforms:** Git, VS Code, Docker, Figma, Railway, Prisma (ORM), jest, supertest

## Education

**BSc (Hons) Computing** 01/2023 – Present  
Itahari International College, Dulari

**School Leaving Certificate (SLC)** 01/2021 – 10/2022  
Aims Academy College, Dharan

## Projects

**OnSite App** 11/2024 - 04/2025

- *Technologies Used:* React Native, Node.js, Zustand, Mysql, Python
- Developed a cross-platform mobile application using **React Native** and **Node.js** to optimize on-site resource allocation and task management for construction teams.
- Implemented **3D visualization**, **OCR**, and **role-based access control** with **Zustand**, resulting in a **30% increase in task response efficiency**.
- Deployed the application using **Docker** and hosted it on the **Railway platform** for seamless CI/CD and scalability.
- **Selected for the project showcase at IIC-Quest 0.3** (International International College), recognizing innovation in applied technology.
- GitHub Repository: [link](#)

**IIC Resrouce Management** 11/2024 - 04/2025

- *Technologies Used:* React, Node.js, Mysql, Prisma
- Developed and deployed a **full-stack resource management system** to streamline **resource tracking**, **request handling**, and **inventory management** across departments.
- Improved **departmental efficiency** by automating manual workflows and **centralizing resource data**, reducing processing time and errors.
- Deployed the application on an **Ubuntu server** with **Nginx** as a reverse proxy, ensuring reliable and secure web hosting.
- Collaborated with a team of **4 members** to deliver a robust and scalable solution.
- GitHub Repository: [link](#)

**BookLett** 11/2024 - 04/2025

- *Technologies Used:* React, .NET, Postgresql
- Developed and deployed a **full-stack book management platform** with comprehensive admin access to streamline book tracking, user requests, and online bookstore operations.
- Developed and deployed a **full-stack book management system with full admin access** to streamline.
- Deployed backend and database using **Docker** and **Railway**, and hosted the frontend on Netlify for CI/CD and scalability.
- GitHub Repository: [link](#)
- Visit Website: [booklett.netlify.app](#)

## Internship Experience

**Teaching Assistant and Full-Stack Intern** 06/2024 - 09/2024

### *Itahari International College, Dulari*

- Contributed to the development of a faculty resource management system using **Node.js, React, Prisma ORM, and MySQL**, improving resource allocation and tracking efficiency.
- Implemented dynamic dashboards, user authentication, and role-based access control, reducing manual administrative workload by **40%**.
- Assisted students in understanding full-stack development concepts, debugging issues, and applying best practices in projects built with **React and Express**.
- Collaborated with a **team of 4 members** in an agile environment, delivering a scalable internal tool for administrative use.

### **Certifications**

- MERN Stack from APNA COLLEGE (05/2024)
- Learning Git and GitHub from LinedIn Learning (09/2023)

### **Academic Achievements & Activities**

#### **1<sup>st</sup> Place in UI/UX Competition**

**2024**

Association of Computer Engineering Students (ACES), Dharan

Secured first place in the UI/UX Competition at ACES Techfest 7.0, showcasing innovative design thinking and user centric interface development. [Certificate](#)

#### **Best idea winner at IIC QUEST: Hackathon**

**2023**

Itahari International College, Dulari

Acknowledged for creative and significant project creation, exhibiting remarkable problem-solving abilities, in a competitive environment. [Certificate](#)

#### **Delta 4.0 National Level Technical Festival: Software Hackathon**

**2023**

Tribhuvan University, Purwanchal Campus

Recognized for creating an innovative and impactful project, showcasing exceptional technical proficiency and effective collaboration. [Certificate](#)