SUBIN_RAI

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Professional Summary

Recent completed BSc (Hons) Computing 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, AWS, Docker, Figma, Railway, Prisma (ORM), Jest, Supertest, Zustand, Redux

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**.
- 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**, recognizing innovation in applied technology.
- GitHub Repository: link
- Download: 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

URL Shortner   06/2025 - 06/2025

- *Technologies Used: React, Node.js, AWS EC2, Redux, Mongodb*
- Developed a full-stack URL shortener application with a focus on backend scalability, maintainability, and modularity.
- **Deployed** application to **AWS EC2**, configuring **Docker** for efficient containerization.
- **Built** responsive frontend using **React** and **Tanstack Query** for an intuitive user experience.
- GitHub Repository: link
- Visit : urlsy.vercel.app/

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

- *Technologies Used: React, .NET, Postgresql*
- Developed a **full-stack book management platform** with comprehensive admin access to streamline book tracking, user requests, and online bookstore operations.
- Deployed backend and database using **Docker** and **Railway**, and hosted the frontend on Netlify for CI/CD and scalability.
- GitHub Repository: link
- Visit: 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)
- AWS Academy Cloud Foundations from AWS (12/2023)

Academic Achievements & Activities

1st 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.

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.

Project Showcase: OnSite App   **2025**

Itahari International College, Dulari

Successfully developed and had the OnSite App selected for prominent showcase, highlighting innovative design and robust functionality within a competitive academic environment.

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.

Creative Clash: Volunteer   **2024**

Itahari International College, Dulari

Volunteered at Creative Clash, a multi creative event featuring UI/UX design, DSA problem-solving, and web development competitions. Mentored junior participants, supported event coordination, and shared personal experiences to inspire fellow students.