

SUDIP NEUPANE

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CAREER SUMMARY

Full Stack Developer with hands-on experience building scalable web applications using the MERN stack, Next.js, TypeScript and PostgreSQL. Gained a solid foundation in full-stack architectures and real-time systems through internships and projects. Focused on growing as a well-rounded engineer by learning System Design and Cloud technologies, with a deep interest in integrating AI to create high-performance, intelligent software.

EDUCATION

B.E. in Computer Engineering

2021 – 2025

National College of Engineering, Affiliated to Tribhuvan University

Core Coursework: Software Engineering, Data Structures and Algorithms, Computer Network, Artificial Intelligence, Object Oriented Programming, Database Management System, Operating System.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, C, C++

Frontend: React.js, Next.js, Redux Toolkit, HTML, CSS, Tailwind CSS, Material UI

Backend: Node.js, Express.js, RESTful APIs, Socket.io

Databases: MongoDB, PostgreSQL

Tools: Git, GitHub, Postman, Vercel, Render

EXPERIENCE

FULL STACK DEVELOPER INTERN

Mindrisers Technologies | Kathmandu, Nepal

Nov 2025 – Jan 2026

- Engineered responsive user interfaces and robust admin dashboards using Next.js and TypeScript, improving frontend type-safety and developer productivity.
- Developed and optimized RESTful APIs with Node.js and Express, ensuring seamless data flow between the client and MongoDB.
- Implemented Role-Based Access Control (RBAC), securing sensitive admin routes and tailored user flows for enhanced application security.
- Worked closely with UI/UX designers and development team members to deliver user-friendly interfaces, integrate third-party services, and manage global application state efficiently.

KEY PROJECTS

Hospital Appointment Booking System ([Live](#) | [Github](#))

- Technologies:** Tailwind CSS, React.js, Material UI, Node.js, Express.js, MongoDB
- Architected a full-stack platform featuring three specialized dashboards (Patient, Doctor, Admin) for streamlined medical workflow management.
- Developed secure authentication and authorization flows, enabling doctors to manage patient data and admins to oversee system-wide doctor profiles.
- Integrated Express Validator for server-side sanitization, significantly reducing invalid data entries and improving system reliability.

Student Management System ([Live](#) | [Github](#))

- Technologies:** Tailwind CSS, React.js, Material UI, Node.js, Express.js, MongoDB
- Designed and deployed a responsive, full-stack application featuring a secure role-based authentication system for Students and Admins.
- Implemented comprehensive CRUD functionality for student profiles: Admins can provision (create), manage, update, and delete student records.

- Integrated an Admin Management module, allowing authorized administrators to add, modify, and oversee other admin accounts.

Real Time Chat Application ([Github](#))

- **Technologies: Tailwind CSS, React.js, Material UI, Node.js, Express.js, Socket.io, MongoDB**
- Built a full-stack MERN chat app with Socket.io enabling instant, bi-directional real-time messaging.
- Implemented secure authentication (login/register with cookies) and created scalable REST APIs for storing messages/users in MongoDB.
- Developed a responsive React UI using Tailwind CSS and handled global state effectively with Redux Toolkit.
- Added features like live active user count, message timestamps, and smooth, low-latency message delivery.

CERTIFICATIONS / TRAINING

- **MERN Stack Development Training** – Mind Riser Jan 2025 - Apr 2025

REFERENCE

Mr. Ramesh Kandel
Project Manager
Mindrisers Technologies