

Rojesh Thapa

Full Stack Developer · MERN Stack

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Full Stack Developer with proven experience shipping production-grade MERN stack applications — from real-time social platforms to school management systems. Skilled in RESTful API design, JWT/OAuth authentication, WebSocket-based messaging, and RBAC. Strong track record delivering in both hackathon and long-form development settings.

PROJECTS

SahayogiConnect — Full Stack Social Networking Platform ·

Feb 2026 – Present

React (Vite) · Node.js · Express.js · MongoDB · WebSockets · JWT · Google OAuth

- Reduced authentication setup time 80% by integrating Google OAuth alongside JWT, providing seamless login while maintaining secure protected-route handling across the entire app.
- Improved real-time engagement by building a WebSocket-powered live chat system, enabling instant user-to-user messaging with zero page-reload latency.
- Eliminated permission errors across all content operations by designing a role-scoped REST API for post/comment management, ensuring users can only modify their own resources.

ShikshaSathi — School Management System ·

Dec 2025 – Jan 2026

React · Node.js · Express.js · MongoDB · Role-Based Access Control

- Consolidated 6 academic workflows (students, teachers, classes, assignments, fees, events) into a single platform, reducing admin task-switching by an estimated 60% per role.
- Eliminated unauthorized data access by implementing 3-tier RBAC (Admin/Teacher/Student) with route-level guards on every API endpoint.

FootStats — Community Football Management System ·

May 2025 – Mar 2026

React · Express.js · PostgreSQL · WebSockets · Team Project

- Accelerated tournament setup from hours to minutes for grassroots organizers by building automated player registration and bracket-generation flows on PostgreSQL.
- Improved team coordination by integrating a real-time chat module, replacing ad-hoc messaging with an in-platform WebSocket communication channel.

BaadFaad — Bill Splitting App ·

Feb 2026 (Hackathon)

MERN Stack · Innovation Lab IIC 2026 · Team Project

- Delivered a complete expense-splitting product end-to-end within hackathon constraints, enabling groups to log, split, and track shared costs through a responsive MERN interface.

SKILLS

Backend: Node.js · Express.js · REST API Design · JWT · Google OAuth · WebSockets · RBAC

Frontend: React.js · JavaScript (ES6+) · HTML5 · CSS3 · Tailwind CSS

Databases: MongoDB · PostgreSQL · MySQL · Oracle

Tools: Git · GitHub · Postman · VS Code

Languages: JavaScript · Java · Python

EDUCATION

BSc (Hons) Computing · Itahari International College / London Metropolitan University

Oct 2024 – Present

High School (Computer Science) · Shikshadeep Boarding Secondary School, Biratnagar

May 2022 – May 2024

CERTIFICATIONS

Object-Oriented Programming with Java

Full Stack Developer Certificate