Sanjaya Poudel

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I like building things and following my passion for programming. I learn best by jumping in and figuring things out as I go.

Skills

Languages: JavaScript, Java, Python
Framework / Libraries: React, Angular, SpringBoot, Django, Express
Technologies: Git, Linux, Docker, AWS(EC2), Postgres, Native Android

Experience

Software Engineer Intern, Start-up – Kathmandu, Nepal   Aug 2024 – Nov 2024

- Contributed to the development of a post publishing and commenting system in a full-stack application using React, Node.js, and PostgreSQL.
- Implemented a Redux-based caching mechanism to reduce unnecessary API calls and enhance overall app speed.
- Styled responsive UI components using Bootstrap, improving user experience across devices.
- Gained practical exposure to full-stack development workflows and production-level backend systems.

Projects

Two Wheeler Renting ○ Github   Spring (JPA/Hibernate), React

- Developed a full-stack 2-wheeler rental platform enabling sellers to list bikes/scooters and customers to book rentals seamlessly.
- Integrated **Khalti payment gateway** for secure transaction handling.
- Implemented a **custom scheduling algorithm** to prevent overlapping bookings and ensure availability consistency.
- Built **RESTful APIs** with Spring Boot and managed efficient data fetching and caching on the frontend using TanStack Query.

EBook App ✎   Express, React, Android, Vercel

- Developed a full-stack CRUD application that allows users to upload, read, and manage books.
- Implemented **file storage using Cloudinary**, handling both **PDF files and book cover images** efficiently.
- Developed an Android **App** for users to access the books available on the platform.
- Integrated token based authentication for REST APIs with JWT.

Messaging App ✎   Django, React, Railway

- Managed backend with Django and integrated WebSocket support for scalable real-time features.
- Designed and built RESTful APIs for user management and message handling.
- Implemented WebSockets (via Django Channels) to enable real-time message delivery and user interaction.
- Used Redux for User State Management.

Education

Kathmandu – Bachelor in Computer Application   Expected 2026

- Course work: Database, Computer Network, Operating System, Software Engineering, System Design.
- Participated in an intra-college hackathon and demonstrated an anonymous social media platform concept, focusing on user privacy and interaction.