

SANDESH SUBEDI

Parramatta, Sydney, NSW | 0452 065 251 | subedi.sandesh888@gmail.com

[linkedin.com/in/sandesh225](https://www.linkedin.com/in/sandesh225) | github.com/Sandesh225

Education

University of Newcastle

Master of Information Technology

May 2026 – Present

Newcastle, NSW, Australia

Pokhara University

Bachelor of Software Engineering

Nov. 2019 – Aug. 2024

Pokhara, Nepal

- **Relevant Coursework:** Artificial Intelligence, Natural Language Processing, Data Mining, Data Structures & Algorithms, Database Management Systems, Operating Systems, Computer Networks, Object-Oriented Programming, Software Engineering

Diamond Education Foundation

Diamond Higher Secondary Education (Science)

Aug. 2017 – Jul. 2019

Pokhara, Nepal

Experience

Apps Ved Private Limited | appsved.com

Full-Stack Developer

Apr. 2025 – Feb. 2026

Pokhara, Nepal

- **Gazab – Indian Restaurant & Bar** (Bella Vista, AU): Architected and shipped a complete restaurant web presence using **Next.js**, **Tailwind CSS**, **Framer Motion**, **Prisma ORM**, and **PostgreSQL**. Built a reservation system with hidden staff-only admin routes enabling real-time booking management and dynamic time-slot control, with **TanStack** libraries handling form validation and async state.
- **Tishy & Co Restaurant Platform:** Engineered the full frontend and implemented dual-mode authentication (OAuth and password-based login), delivering a polished, production-ready UI integrated with the backend.

Aava Technology Nepal

Full-Stack Web Developer

Dec. 2024 – Mar. 2025

Kamalpokhari, Kathmandu

- **EasyUnsub Email Client:** Architected and built scalable backend services in **Node.js (TypeScript)**, integrating multiple email providers (Outlook, iMail, Gmail) with **Firebase** for authentication and real-time sync. Implemented **Play Console payment verification**, promo code management, and a comprehensive admin panel API for user and analytics management.
- **MazzakoTrip – Flight Booking Platform:** Developed a multi-flow booking engine supporting both **B2C and B2B** use cases, with real-time socket-based chat and push notifications powered by a **Redis Adapter** for horizontally scalable WebSocket communication. Built REST APIs for booking, user management, and platform operations with a focus on reliability and throughput.

Projects

UD Engrave – Portfolio & Order Management System | *Next.js, Drizzle ORM, Tailwind CSS, PostgreSQL, React Query*

- End-to-end web platform for a laser engraving business: a client-facing portfolio site paired with an internal order management system featuring real-time status tracking and customer inquiry handling.
- Admin dashboard for complete control over products, orders, and customer communications; built with **React Query** for optimistic UI updates and efficient server-state synchronisation.

SmartPokhara – Civic Management & Engagement Platform | *Next.js, Supabase, Tailwind CSS, React Query*

- Architected an end-to-end civic tech platform for municipal administration, empowering citizen engagement through dedicated modules for real-time civic issue reporting, participatory budgeting, and public notices.
- Engineered a comprehensive admin and supervisor dashboard featuring complex data grids (**TanStack Table**) and interactive analytics (**Recharts**) to manage staff assignments, complaints, and digital payments, secured by role-based access control (RBAC) via Supabase SSR.
- Implemented real-time synchronization for complaint tracking and municipal notifications utilizing **Supabase Realtime** and **React Query**, ensuring instantaneous data consistency across citizen-facing interfaces and internal staff portals.

Hotel Booking Application | *React.js, SASS, MUI, Node.js, Express.js, JWT, Socket.io*

- Dual-view (client/admin) hotel booking platform with real-time room availability updates via **Socket.io**, preventing double-bookings and keeping reservation state consistent across sessions.

- Integrated **Cloudinary** for media management; secured routes with **JWT**-based authentication and role-based access control for admin and guest users.

Realtime Chat Application | *React, TypeScript, TailwindCSS, Shadcn/UI, Express.js, Socket.io, Clerk*

- Room-based real-time messaging app using **Socket.io** with **Clerk** authentication and **JWT** authorisation, supporting seamless multi-room navigation via React Router 6.
- Clean, fully responsive UI built with **Shadcn/UI** and **TailwindCSS**; TypeScript enforced end-to-end type safety across client and server.

Technical Skills

Frontend: TypeScript, React.js, Next.js, TailwindCSS, TanStack (Query / Form / Start), Framer Motion, Shadcn/UI, Astro, Hugo

Backend: Node.js (Express.js), Go (Fiber, std lib), Hono, Socket.io, tsoa, OpenAPI / Swagger, Serverless Functions

Databases: PostgreSQL, MongoDB, Redis, SQLite, Firebase, Prisma ORM, Drizzle ORM

DevOps & Cloud: AWS (S3, CloudFront, Amplify, EC2, LightSail), Docker, GitHub Actions, Cloudflare, Vercel, Netlify

Tools: Git, GitHub, GitLab, Linux, Postman, Bubble Tea (Go TUI)

Licenses & Certifications

General Registered Engineer's License

Nepal Engineering Council | [Verify Credential](#)

AWS Certified Cloud Practitioner (CLF-C02)

Udemy | [Verify Credential](#)

Issued Aug. 2025

AWS CodePipeline Step by Step

Udemy | [Verify Credential](#)

Issued Aug. 2025