

RISHEN MANANDHAR

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PROFESSIONAL SUMMARY

Motivated and detail-oriented Computer Science student with hands-on experience in full-stack web development, specializing in backend systems, RESTful API design, and database management. Proficient across a broad technology stack including Node.js, React, MongoDB, PostgreSQL, and Python frameworks. Demonstrated ability to build and deploy production-ready applications through independent and collaborative projects. Eager to contribute technical skills and a strong learning mindset to a growth-oriented engineering team.

TECHNICAL SKILLS

Frontend: React.js, HTML5, CSS3, JavaScript (ES6+)

Backend: Node.js, Express.js, Django, Flask, PHP

Databases: MongoDB, PostgreSQL, Supabase, MySQL

Languages: JavaScript, Python, PHP, SQL

EXPERIENCE

E-Commerce Design Intern · Household Enterprise · Kathmandu, Nepal

6-Month Internship (Certificate Awarded)

- Designed and developed storefront layouts using Shopify, customizing themes to align with brand identity and improve user experience.
- Managed product listings, collections, and navigational structures to enhance discoverability and streamline the customer journey.
- Collaborated with business stakeholders to translate requirements into functional and visually consistent e-commerce pages.
- Gained practical exposure to online retail workflows, including inventory management and basic SEO practices within the Shopify ecosystem.

PROJECTS

Kharcha — Personal Finance & Expense Tracker · *Live / Hosted*

- Designed and built a full-stack wallet and expense-tracking application as part of a collaborative group project.
- Implemented transaction management, category-based expense breakdowns, balance summaries, and persistent financial records.
- Developed RESTful API endpoints for creating, reading, updating, and deleting financial records, following standard HTTP and REST conventions.
- Integrated persistent data storage and client-side state synchronization to maintain consistent financial data across sessions.
- Deployed the application to a live hosting environment, making it publicly accessible with a shareable URL.

Hestia — Inventory & Order Management System · *Full-Stack / Hosted*

- Designed and built a full-stack inventory and order management system for managing raw materials, products, ingredients, clients, orders, and stock levels.
- Developed a RESTful backend with Express.js and PostgreSQL, implementing modular APIs for inventory, orders, clients, authentication, dashboard analytics, and invoice management.
- Implemented JWT-based authentication with HTTP Only cookies and role-based access control for Admin, Finance, and Business users.
- Implemented automated inventory logic, including ingredient-based stock deduction, low-stock thresholds, order processing, and invoice generation.
- Built a responsive React frontend with TanStack Query, React Hook Form, Zod, Zustand, and Recharts, and deployed the application with a hosted frontend and backend.

EDUCATION

Bachelor of Science in Computer Science

Herald College Kathmandu (Affiliated to the University of Wolverhampton, UK) · 2024 – 2027 (Expected)

- Pursuing a globally recognized UK-accredited degree with a curriculum covering software engineering, algorithms, databases, and systems design.
- Actively applying classroom knowledge through hands-on projects and coursework in web development and computer science fundamentals.

+2 Science (Pre-University)

Pathsala Pre-University College · Completed

CERTIFICATIONS

- Backend Development and API — freeCodeCamp.org
- Web Application Development Certificate — Herald College Kathmandu
- Data Structures and Algorithms — Herald College Kathmandu
- E-Commerce Design (Shopify) — Internship Completion Certificate