

Munal Thapa

munalthapa710@gmail.com | 977+ 9869269374 | [Github](#) | [Linkedin](#)

Summary

Computer Science student with a strong interest in web development and database using React.js, Next.js, TypeScript, Redux Toolkit, and RTK Query. Skilled in developing multi-role dashboards, permission-based interfaces, reusable components, dynamic forms, analytics, and REST API integrations. Experienced in developing frontend systems and collaborating with backend developers and project managers using Git-based workflows.

Technical Skills

- Languages and Frameworks:** JavaScript, TypeScript, React.js, Next.js, Redux Toolkit, RTK Query, React Router, Tailwind CS.
- Backend and Databases:** Node.js, C#/.NET, PostgreSQL, SQL.
- Tools:** Visual Studio, Vite, REST APIs, Postman, Git & GitHub, Vercel.

Work Experience

Bitspanda

React Developer

Sahabaghita marga, Kathmandu

Sep 2025 – Present

Human Edge Nepal — Learning Management System ([LMS](#))

React.js, TypeScript, Vite, Redux Toolkit, RTK Query, Tailwind CSS, React Hook Form, Zod, ApexCharts

- Contributed to a production multi-role LMS for learners, content managers, HR administrators, organization administrators, and super administrators.
- Built course-authoring workflows for multimedia lessons, subtitles, quizzes, skill assessments, and final assessments.
- Developed interactive learning features, progress tracking, assessment results, learner management, and analytics dashboards.
- Implemented permission-based navigation and reusable components for tables, filters, pagination, forms, charts, uploads, and responsive layouts.

PharmaLinq — Customer Relationship Management System ([CRM](#))

React.js, TypeScript, Redux Toolkit, RTK Query, Tailwind CSS, React Hook Form, Zod, Leaflet, React PDF

- Developed a role-based CRM frontend with protected routes, permission-based navigation, and modular layouts.
- Built customer, consumer, and employee-management workflows covering profiles, assignments, allowances, advance payments, and expenses.
- Developed route and tour-planning functionality with market-area management, field-visit tracking, and Leaflet-based map visualization.
- Created reporting modules for visits, sales, allowances, dispatch orders, stock approvals, medicines, and sales-order details.

Partsmoo — Spare Parts Management and E-commerce Platform ([PartsMoo](#))

React.js, TypeScript, Vite, Redux Toolkit, RTK Query, Tailwind CSS, React Router

- Maintained and enhanced a live spare-parts management and e-commerce frontend.
- Resolved UI, routing, state-management, responsive-design, and API-integration issues across product, customer, and order workflows.
- Implemented new API-driven features using reusable components, protected routes, and modular page structures.

VedAgri Dairy Admin — Dairy Management System ([VedAgri](#))

React.js, TypeScript, Vite, Redux Toolkit Query, Tailwind CSS, React Hook Form, Zod

- Developed frontend workflows for farmers, dealers, milk rates, milk collections, payments, wallets, inventory, products.
- Implemented farmer registration and KYC workflows with document handling, verification, rejection, status controls, and mobile-number updates.
- Built milk-collection workflows with conditional Fat/SNF fields, calculation previews, drawer forms, search, filtering, and pagination.

Freelance Experience

VivaInventory — Inventory Management System (Inventory)	Jan 2026 - Present
Frontend Developer Viva Construction	
<i>Next.js, React, Tailwind CSS, NextAuth.js, Recharts, XLSX, REST APIs</i>	
- Developed the frontend of a production inventory system for warehouse stock, employee assignments, product usage, activity records, and announcements. - Built protected admin and employee interfaces with role-specific navigation and workflows. - Implemented dashboard metrics, inventory adjustments, filtering, Excel exports, mobile-responsive layouts including PWA support. - Collaborated with a backend developer to integrate authentication, PostgreSQL-backed data, and inventory operations. - Completed the main development in June 2026 and continue to provide maintenance when required.	

My Projects

Kash Trak (Personal finance Web App)
React.js, Vite, JavaScript
- Built a personal finance application for tracking income, expenses, transfers, budgets, and savings goals in one dashboard. - Added balance tracking, monthly savings metrics, category-wise spending insights, and clean reporting views for better financial decisions. - Implemented multi-account support, calendar-based transaction browsing, protected routes, hashed passwords, and server-side validation.
PersonalVault — Secure Personal Document Vault (Vault)
<i>React.js, TypeScript, Vite, Tailwind CSS, React Hook Form, Zod, ASP.NET Core, C#, MongoDB, JWT, Cloudinary, Brevo, Google OAuth, PWA</i>
- Developed a full-stack secure document vault for uploading, previewing, downloading, searching, categorizing, favoriting, deleting, restoring, and permanently removing private files. - Built authentication workflows with email OTP verification, Google login, password reset, refresh-token rotation, protected routes, and session management. - Implemented encrypted document storage with backend ownership checks, Cloudinary file handling, file-type validation, upload limits, and secure preview/download endpoints. - Added backend security features including security headers, global exception handling, audit logging, MongoDB indexes.

Education

Bachelor of Science in Computer Science and Information Technology	2022 - 2026
New Summit College, Kathmandu	
Higher Secondary School (+2 level)	2020 - 2022
Kathmandu Model College, Lalitpur	