

PRASHANNA MAHARJAN

FULL STACK & ELECTRON JS DEVELOPER

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SUMMARY

Self-taught MERN stack enthusiast with hands-on experience in React.js, Next.js, Electron.js, Cryptography, Tailwind CSS, TypeScript, React Native, React Hook Form, Zod Schema, Zustand, TanStack Query, and Nuqs. Worked at Vrit Tech, contributing to multiple SEO-optimized and SSR-based projects. As IT Head of TEDx Baneshwor and a Microsoft Learn Student Ambassador, I've led teams, organized workshops, and demonstrated strong problem-solving and collaboration skills.

EXPERIENCE

Full Stack Engineer, Advice Ninja(Australian-based company)

Feb 2026 - Present

- Led development of SaaS products including an Authenticator App and CMS for 3+ affiliated companies, implementing secure authentication (JWT, 2FA), and scalable full-stack features.
- Worked with Next.js, PostgreSQL, TanStack (React Query, Table), Nuqs, AWS S3, and Zod validation to build performant APIs, manage data, and ensure production-ready deployments, with a focus on clean architecture, efficient state management, and seamless user experience.

Frontend Engineer & Electron JS Developer, Vrit Technologies

July 2025 - Jan 2026

- Contributed to multiple projects, including the **Vrit Tech official website** and **CRM, Orbit Chat landing site, Orbit Chat (SaaS) Auth Sync (SaaS), and Everest Thrills landing site.**
- Learnt and worked using **Cryptography and End-to-End Encryption, OAuth, Next.js, React, Electron JS, TypeScript, ShadCN, React Hook Form, Zod validation, Zustand, React Query, React Table, and Nuqs.** Implemented **JWT authentication**, API integrations with **Next.js fetch** and **Axios**, and managed **CI/CD** pipelines via **GitHub Actions** and ensured **SEO-friendly** approach using **SSR** and best optimization **Next.js** practices.

Microsoft Learn Student Ambassador

Jan 2025 - Present

- Successfully organized a Git and GitHub workshop with 80+ participants, educating students on version control and collaborative development.
- Contributed to building and growing the Microsoft Learn community by engaging students and fostering a learning environment.

IT Head, TedxBaneshwor

Aug 2024 - Feb 2025

- Led a team of developers to build the official TEDx Baneshwor website (**tedxbaneshwor.com**) and contributed to the event's technical setup.
- Developed the website using **Next.js, ShadCN, React, and TypeScript** and Git And Github for collaboration, ensuring optimal performance and **SEO**.

- Led a team to organize Career Carnival with 1000+ participants, managing marketing, content, and social media while conducting a web development workshop.

PROJECTS

Everest Thrills SEO & Redesign (Client) [Next.js] (<https://everestthrills.com/>)

- Rebuilt the client website with an **SEO-first** and friendly, server-rendered Next.js architecture focused on organic growth, performance, and content discoverability.
- Implemented **SSR data fetching, metadata, hydration, generate static params, structured data (JSON-LD), Open Graph metadata, dynamic sitemap generation, image optimization, and LCP improvements** following **Next.js** SEO and performance best practices.

VritTechnologies Website Redesign & CRM (Company) [Next.js] (<https://vrittechnologies.com/>)

- Co-led the full redesign of the company website and development of a production-grade CRM using **Next.js** with **SSR, TypeScript**, and a scalable component-driven architecture.
- Implemented real-time updates and notifications using **WebSockets** alongside modern state management, schema-based form validation, animations, rich text editing, and data tables with **Framer Motion, Zustand, Zod, React Hook Form, shadcn/ui, Editor.js, TanStack Query & Table, API integration, Nuqs**, and **CI/CD** pipelines using **GitHub actions**.

Auth Sync (SaaS) [Electron.js & React.js] (<https://true2fa.com/>)

- Led end-to-end research and project for a cross-platform authenticator desktop app SaaS enabling secure TOTP password and vault sharing, full client-side end-to-end encryption.
- Designed and implemented cryptographic systems (**AES-256-GCM, RSA SHA**), real-time notifications and sync using **WebSockets**, Electron-based desktop architecture, OS-level authentication (**WebAuthn, Windows Hello**), auto-update **CI/CD** pipelines, and multi-OS installers using **Electron Builder, S3, GitHub Actions**, and **Node.js**. Build on windows, Linux, Mac OS with code signing on Windows OS and macOS

Orbit Chat Landing Page & CRM (SaaS) [Next.js & React] (<https://orbitchat.ai/>)

- Built the SEO-optimized landing page and a real-time, data-heavy CRM for an embeddable AI chatbot SaaS supporting unified inboxes, bot training, and user assignment workflows.
- Implemented **WebSocket-based** real-time messaging and inbox updates, alongside an SSR-based **Next.js** frontend and scalable React CRM using **shadcn/ui, Zustand, Zod, Nuqs, TanStack Query & Table**, enabling high-throughput dashboards and real-time customer communication

Krishi Mitra – Farmer Ecosystem Web App (<https://team-genesis-krishi-mitra.vercel.app/>)

- Krishi Mitra is a hackathon-built platform designed to support farmers with smart tools like crop recommendation, AI-based disease detection from images, price prediction, and a marketplace for renting, selling, and consultations. It is fully responsive and supports Nepali translation to ensure accessibility for local users.
- The project uses the **MERN stack** for full-stack development, styled with **Tailwind CSS** and **ShadCN UI** for a clean interface. Flask (Python) APIs serve trained .pkl models, with **Redux** for state management, **Multer + Axios** for secure image uploads. **i18n** handles multilingual support for better reach.

FULL MERN Stack Blog Project

- Developed a full-stack blog platform using the **MERN** stack with authentication powered by Clerk, enabling secure login and logout functionality.
- Integrated **MongoDB** for the backend, ImageKit for image optimization, and implemented features like infinite scrolling with **TanStack Query**, post creation, updates, deletion, and commenting, using **Express.js**, **Axios**, **React Toastify**, **Svix**, and other libraries.

FULL Stack Dog Wikipedia with Appwrite as Backend Service (<https://doggo-pedia.vercel.app/>)

Other Miscellaneous Projects:

- **Vrit Intern Task (Framer Motion)** : <https://vrit-intern-task.vercel.app/>
- **NEPSE DISCORD BOT (Puppeteer JS AND DISCORD JS)**
- **Blogger Project(Google Ranked with SEO 1 Million+ reach)** <https://essayinnepali.blogspot.com/>
- **WebShooter Project JS And Api Project** - <https://webshooter.netlify.app/>
- **Nepal Stock Exchange Stock Scraper Discord Bot Using Python And Beautiful Soup**

TECHNICAL SKILLS

React JS	MongoDB	Electron JS	JavaScript and TypeScript	CI/CD & Docker
Express JS	Git And Git Hub	Node Js	Cryptography And Encryption	Zustand And Redux

SOFT SKILLS

Leadership and Teamwork	Adaptability	Event management and organization
Communication And Cordination	Time Management	

ACHIEVEMENTS

- **Won Saral Sikshya Intercollege Hackathon**
- **3rd in UTC intercollege Idea Pitching Competition**
- **Won 'The Most Creative Video' in KMC video making competition**
- **10 Lakhs+ views on essayinnepali.blogspot.com**

EDUCATION

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| • Bachelors In Computer Science, Taylors University (IIMS COLLEGE) | Sep 2024 - Present |
| • +2 Computer Science, Kathmandu Model College (GPA: 3.62) | Aug 2022 - Aug 2024 |
| • SEE, Siddhartha Vanasthali Institute (GPA: 3.44) | April 2010- April 2022 |