

Rajan Shrestha

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Professional Summary

Frontend Developer specializing in building scalable, CMS-driven web applications using **React**, **Next.js**, and **AWS**. Experienced in integrating REST APIs, implementing performance optimizations, and delivering production-ready systems with measurable impact. Proven ability to improve load times, streamline content workflows, and collaborate across teams to build efficient and user-focused applications.

Technical Skills

Languages: HTML, CSS, JavaScript, TypeScript, Python, SQL,

Frameworks & Libraries: React.js, Next.js, Redux, Tailwind CSS, Express.js

Databases & CMS: MongoDB, Supabase, Payload CMS, WordPress, Wagtail

Tools & Platforms: Git, GitHub, AWS (S3, EC2, CloudFront), Figma, REST APIs

Soft Skills: Problem-Solving, Communication, Attention to Detail, Teamwork

Experience

Frontend Developer, dgMarket Nepal- Kathmandu June 2025 – Present

- Developed and scaled a tender management platform, enabling users to browse and publish tenders through a dynamic React-based interface.
- Implemented role-based workflows by integrating frontend with backend APIs, supporting multiple user types and secure data handling.
- Reduced page load time by 30% and improved performance by 40% through code splitting, lazy loading, and performance optimization techniques.
- Collaborated with backend, SEO, and product teams to optimize performance, accessibility, and search visibility.

FullStack Development Intern, HiddenLayer Network Pvt. Ltd – Kathmandu 2024 – June 2025

- Developed responsive frontend using React.js and Tailwind CSS, boosting page speed by 25% and ensuring cross-device support.
- Integrated Payload CMS APIs to streamline content workflows and reduce manual tasks by 40%.
- Deployed on AWS S3 with CloudFront and SSL, improving load time by 45% and maintaining 99.9% uptime.
- Configured SSL and CDN to enhance security and SEO.

Assistant Website Manager, Thames International College – Kathmandu November 2023 – 2024

- Identified and documented over 15+ website bugs, accelerating resolution time by collaborating directly with developers.
- Supported SEO strategy execution, contributing to a 20% increase in organic traffic within two months.
- Implemented technical improvements that improved average website load speed by 30% and enhanced overall SEO score by 18%.

Education

Thames International College, Bachelor of Computer Applications April 2020 – July 2025

- GPA: 3.5/4.0 (Current Average)
- **Coursework:** Data Structure and Algorithms, Cloud Computing, Database Management

Projects

dgMarket – Tender Management Platform

- **Description:** Built a scalable platform for browsing and publishing tenders using React and REST APIs. Implemented advanced search, filtering, and role-based access workflows. Optimized performance using lazy loading, caching, and Lighthouse improvements
- **Tech Stack:** React, Tailwind CSS, Redux, SEO, Ant Design, Rest API
- **Live:** webdg.dgmarket.com/

Travel Management System (Fullstack)

- **Description:** Built a fullstack platform using Next.js to manage both website content and internal operations of a travel company. Developed an admin dashboard to handle bookings, client data, and workflow tracking. Implemented follow-up system for managing leads and customer communication
- **Tech Stack:** Next.js, Tailwind CSS, Node.js, PostgreSQL, TypeScript
- **Live:** tour.alpineramble.com/

Student Study Point

- **Description:** Full-stack platform for accessing study materials (notes, syllabi, past papers).
- **Tech Stack:** React, Tailwind CSS, Supabase, TypeScript
- **Live:** edu-resources-mocha.vercel.app/ **GitHub:** [student-study-point](https://github.com/student-study-point)

Applyleap Website

- Responsive web app with CMS-backed dynamic content, hosted on AWS.
- **Tech Stack:** React, Tailwind, Next.js, Payload CMS, AWS (S3, EC2), SSL
- **Live:** applyleap.com **GitHub:** [applyleap](https://github.com/applyleap)

YouTube Comment Sentiment Analyzer

- **Description:** Developed a sentiment analysis tool to classify YouTube comments using machine learning. Built React frontend and integrated with Python backend via REST APIs
- **Tech Stack:** React, Python, Naive Bayes, Sentiment Analysis, REST API
- **Live:** comment-sentiment-analyser-rose.vercel.app/ **GitHub:** [comment-sentiment-analyser](https://github.com/comment-sentiment-analyser)

Certifications and Training

- **React Course – Meta (Coursera)**
Completed a hands-on course focused on building modern web applications using React.
Certificate: [View Certificate](#)
- **UI/UX Design Training**