

RAM KRISHNA YADAV

SOFTWARE ENGINEER

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Portfolio:[Link](#)

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SKILLS

- **Backend Development** : Javascript, Nodejs, Express, Restful API, Python, GraphQL, JWT, Typescript
- **Frontend Development** : React Js, Context Api, Redux, HTML5, Tailwind CSS, Bootstrap, SEO Optimization, TypeScript
- **Database Development** : MongoDB, MySQL, PostgreSQL
- **Deployment** : Vercel Hosting, VPS Hosting, Microsoft Azure
- **Miscellaneous** : Git Version Control, Figma, Websockets

WORK EXPERIENCE

MERN Stack Developer at Blue Fox Pvt. Ltd

Dec 2024 - May 2025

- Architected and deployed scalable, cloud-native SaaS platforms for hotel management, e-commerce, and restaurant operations, leveraging the MERN stack and Next.js to ensure high performance, modular scalability, and cross-platform responsiveness.
- Developed and customized SEO-optimized websites aligned with specific client goals, resulting in significant improvements in organic traffic, +40% increase in user engagement, and top-tier search engine rankings.
- Engineered robust RESTful and GraphQL APIs to streamline front-end/back-end communication and enable seamless integration with third-party services like payment gateways, CRMs, and geolocation tools.
- Led full-cycle DevOps workflows, deploying cloud-based applications via AWS, Vercel, and other providers, achieving 99.9% uptime and high operational stability across all hosted solutions.
- Collaborated cross-functionally with UI/UX designers, QA teams, and product managers to deliver end-to-end full-stack solutions that were tightly aligned with user needs and business objectives.
- Applied advanced performance optimization techniques such as lazy loading, server-side rendering (SSR), database indexing, and query optimization, reducing page load time by up to 60%.
- Strengthened security across all applications, implementing OAuth, JWT-based authentication, RBAC, and end-to-end data encryption, ensuring secure data handling and compliance with industry best practices.
- Integrated complex third-party APIs to extend application functionality and enhance user experience, enabling features like real-time tracking, automated notifications, and multi-channel payments.

MERN Stack Intern at Blue Fox Pvt. Ltd.

Oct 2024 - Dec 2024

- Built responsive, SEO-optimized SaaS applications for hotel, e-commerce, and restaurant systems.
- Developed RESTful APIs, integrated third-party services, and implemented JWT/OAuth for secure authentication.
- Optimized performance through code refactoring, caching, and database tuning.

PROJECTS

Games Hub Web Application: [View](#)

Tech Stack: Next.js, JavaScript, HTML Canvas, Tailwind CSS, Shadcn/ui, Typescript

Developed a responsive, cross-platform gaming web application integrating Flappy Bird, Snake, and Tetris using Next.js, JavaScript, HTML Canvas, Tailwind CSS, and Shadcn/ui. The app features optimized rendering and smooth real-time game performance, with intuitive keyboard and touch controls for desktop and mobile compatibility. Designed a clean, mobile-first UI and implemented responsive layouts to ensure fast load times, accessibility, and an engaging user experience across all devices.

ChatConnect-RealTime Chat Application: [View](#)

Tech Stack: React, Node.js, Websocket, Express

Developed a real-time chat application leveraging WebSockets, Node.js, Express.js, and React.js to enable instant, bi-directional communication across users. Designed and implemented scalable server-side architecture with Node and Express, ensuring low-latency messaging and robust connection handling. Developed a dynamic, responsive front-end with React, optimizing user interactions and ensuring cross-device compatibility. Focused on performance optimization, security (authentication, data protection), and seamless user experience, delivering a high-speed, scalable, and reliable chat platform for modern web users.

ShopIt- E commerce App: [View](#)

Tech Stack: React, Node.js, Typescript, Express

Developed a real-time chat application leveraging WebSockets, Node.js, Express.js, and React.js to enable instant, bi-directional communication across users. Designed and implemented scalable server-side architecture with Node and Express, ensuring low-latency messaging and robust connection handling. Developed a dynamic, responsive front-end with React, optimizing user interactions and ensuring cross-device compatibility. Focused on performance optimization, security (authentication, data protection), and seamless user experience, delivering a high-speed, scalable, and reliable chat platform for modern web users.

Multivendor Admin Panel: [View](#)

Tech Stack: React.js, Node.js, Express.js, MongoDB

Developed a comprehensive e-commerce platform with product catalog, shopping cart functionality, and secure payment processing using the MERN stack. Implemented user authentication, product search/filtering capabilities, and inventory management system for administrators. Created responsive product displays with dynamic pricing, ratings, and reviews.

EDUCATION

Bachelor in Computer Engineering | Oct 2024-2028

Tribhuvan University, IOE Purwanchal Campus, Dharan (working while pursuing bachelors)

- **Languages** : English, Nepali, Hindi
- **Certifications** : Ws Cube Tech SEO Fundamentals, ACES Hackathon
- **Soft Skills**: Team Leadership, Problem-solving, Communication, Results-oriented