

RAM KRISHNA YADAV

FULL STACK ENGINEER

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SUMMARY

Experienced MERN Stack Engineer focused on building impactful web solutions. Successfully deployed multiple production applications with measurable performance gains and seamless user experiences. Skilled in modern frameworks, cloud infrastructure, and API development.

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

XCodeGen-AI Assistant:[View](#)

Tech Stack: React.js, Node.js, Express.js, MongoDB, Typescript, Llama, Gemini, Mistral

Developed a specialized AI assistant designed to streamline software development workflows. XCodeGen features both Developer Mode and Chat Mode to generate code, documentation, and project structures. Integrated a custom inbuilt file system, enabling direct file-level modifications by the LLM without requiring manual file uploads. Leveraged multiple LLMs (Llama, Gemini, Mistral, Qwen3, etc.) for optimized response quality across diverse tasks like code generation, refactoring, and context-aware suggestions.

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.

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.

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

Tech Stack: React, Node.js, Express, MongoDB, Tailwind CSS, Typescript

Built a full-featured e-commerce platform with responsive user interfaces and a secure backend. Implemented product browsing, cart management, order processing, and user authentication. Developed a robust Admin Panel for managing inventory, orders, users, and analytics. Employed RESTful APIs, JWT-based authentication, and MongoDB for scalable data handling. Focused on performance, accessibility, and clean UI/UX using Tailwind CSS.

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