

Sulav Karki

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Professional Summary

Full-stack engineer with hands-on experience building scalable web applications using the MERN stack. Currently working at Autonomous Technology on production systems. Strong expertise in backend development with Node.js and modern frontend frameworks like React and Next.js, with a focus on performance, scalability, and real-time systems.

Technical Skills

- **Backend:** Node.js, Express, REST APIs
 - **Frontend:** React.js, Next.js, HTML, CSS, JavaScript
 - **Database:** MongoDB, PostgreSQL, MySQL
 - **Tools & Platforms:** Git, GitHub, AWS (EC2, RDS, S3, CloudFront), Linux, Vercel
 - **Other:** Prisma, WebSockets, Authentication & Authorization
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Experience

Full Stack Engineer

Autonomous Technology, Nepal

2025 – Present

- Leading development of **chatjyotishi.com**, a real-time astrology consultation platform.
- Designed scalable chat architecture handling concurrent users with optimized API calls.
- Reduced redundant API hits significantly, improving server response time and stability.
- Built secure role-based systems for astrologers and clients.
- Integrated Secure payment system (Getpay, FonePay_Card and FonePay_QR) gateways.

Full Stack Software Engineer

Hivecraft Tech Pvt Ltd, Nepal

July 2024 – July 2025

- Worked on **Patriot Pulse**, a large-scale election management platform.
- Implemented RBAC, analytics dashboards, and campaign management systems.
- Optimized database queries and improved performance across modules.

Full Stack Software Engineer (Intern)

Hivecraft Tech Pvt Ltd, Nepal

March 2024 – June 2024

- Built core backend APIs and frontend components for production features.
- Contributed to authentication systems and database integrations.

Node.js Developer Intern
SiliconTech Nepal, Thimi
April 2023 – September 2023

- Developed scalable backend systems for multiple applications including e-commerce and bidding platforms.
- Implemented payment integrations, authentication, and role-based access systems.

Key Projects & Impact

ChatJyotishi (Production System | Autonomous Technology)

- Architected and developed a real-time chat platform connecting clients with astrologers.
- Designed backend services using Node.js, Prisma, and PostgreSQL to handle concurrent users efficiently.
- Implemented WebSocket-based communication for real-time messaging and reduced dependency on polling.
- Built RBAC system for client, astrologer, and admin roles ensuring secure access control.
- Optimized database queries and message fetching strategies to improve performance under high usage.
- Managed deployment on VPS with production-level monitoring and debugging.

Patriot Pulse (Enterprise Platform | Hivecraft Tech)

- Contributed to a large-scale election management system handling campaigns, fundraising, and user roles.
- Implemented role-based access control (RBAC) for voters, donors, vendors, and admins.
- Developed analytics dashboards for tracking campaign performance and user engagement.
- Improved database efficiency by optimizing queries across MongoDB and PostgreSQL.
- Built scalable REST APIs and improved admin workflows with dynamic UI components.

E-commerce Platform (Full Stack Project)

- Developed a complete e-commerce system with authentication, product management, and order processing.
- Integrated payment gateway (Stripe/eSewa) and implemented secure JWT-based authentication.
- Designed admin dashboard for managing users, products, and transactions.
- Focused on clean API design and scalable backend architecture.

CV Builder App

- Built a React-based application with real-time CV preview and PDF generation.
- Implemented dynamic form handling and optimized rendering for smooth user experience.

E-bidding Platform (College projects)

- Developing a real-time bidding system with socket for real time updates.

- Designing secure bidding logic and live updates using WebSockets.
- Building dashboard for tracking bids and project progress.

Education

BSc. CSIT

Samriddhi College, Lokanthali
2077 – 2081 | 83%

+2 Science

CCRC, Balkumari
2074 – 2076 | CGPA: 3.59

Certifications

- Broadway MERN Stack Course
- Cisco Networking Certificate
- Next.js Training Certificate
- TECHTRIX Hackathon Participation

Languages

- Nepali (Native)
- English (Proficient)