

Rishav Chapagain

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EDUCATION

Nepal College of Information Technology <i>Bachelor's in Software Engineering</i>	Lalitpur
Trinity International SS & College <i>Higher Secondary in Physics</i>	Kathmandu

EXPERIENCE

Backend Developer <i>dl.surf</i>	July 2024 – Present Bhaktapur
Program Manager <i>Nepal Open Source Klub</i>	Nov 2024 – Jan 2025 Lalitpur
Technical Lead <i>Nepal Open Source Klub</i>	Aug 2024 – Sept 2024 Lalitpur

• Built and optimized an Advertisers Portal to manage campaigns for a platform with 300,000+ monthly users.

• Enhanced scalability and performance of the system through efficient backend architecture and optimizations.

• Implemented microservice-based architecture using GoLang, FastAPI, and Django, ensuring a robust and maintainable codebase.

• Spearheaded planning and execution of NOSKATHON Lite with 180+ participants, ensuring smooth end-to-end delivery.

• Led cross-functional coordination among organizing teams, mentors, and participants to achieve event objectives.

• Demonstrated adaptability under tight deadlines, successfully managing challenges and last-minute changes.

• Developed and maintained the official website for Software Freedom Day 2024, ensuring accessibility and a smooth user experience.

• Facilitated and maintained communication channels for the organizing committee.

• Supported a community-driven event with 500+ attendees, promoting open-source awareness and collaboration.

PROJECTS

AcadNet <i>Node.js, React, Express, MongoDB, Google OAuth</i>	Feb 2025 – Present
• Developed a peer-led study platform enabling collaborative learning and resource sharing.	
• Implemented secure authentication using Google OAuth with a scalable Node.js backend.	
• Designed a reliable, modular, and high-performance architecture for seamless user experience.	
• github.com/RishavOsaurus/AcadNet	
Software Freedom Day Website <i>HTML, Tailwind CSS, JavaScript</i>	Sept 2024
• Developed and maintained the official event website for Software Freedom Day 2024.	
• Built communication tools to coordinate with organizers, speakers, and volunteers.	
• Supported a community event with 500+ attendees promoting open-source awareness.	
• sfd.nosk.org.np	
NepalMountainsAPI <i>Go, REST API</i>	Dec 2023
• Built a REST API delivering verified data on Nepal's peaks from authentic sources.	
• Designed lightweight endpoints for high-speed data delivery and reliability.	
• github.com/RishavOsaurus/NepalMountainsAPI	
Confessions <i>PHP, MySQL</i>	Aug 2023
• Developed an anonymous confession platform with secure submission handling.	
• Implemented database-level sanitization and validation to ensure user privacy.	
• github.com/RishavOsaurus/Confessions	
Discord Bot <i>Go</i>	Apr 2023
• Created a Go-based Discord bot with moderation and engagement commands.	
• Integrated automated responses and real-time analytics for community interaction.	
• github.com/RishavOsaurus/discordbot	
Coding Leaderboard <i>Node.js, WakaTime API</i>	Jan 2023
• Developed a secure collaborative leaderboard using Node.js and WakaTime API.	
• Encouraged friendly competition and peer accountability in a developer community.	
• crishav.com.np/waka	

TECHNICAL SKILLS

Programming Languages: JavaScript (ES6+), Go, Python, PHP, Java, C++, C
Backend & Frameworks: Django, FastAPI, Node.js, Express.js, REST APIs, Socket.io, JWT, MongoDB, MySQL, Gin, Fiber, Redis, RabbitMQ
Technologies & Tools: Docker, Git, Postman, Linux, AWS, VS Code
Libraries: pandas, NumPy