

Rishav Chapagain

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EDUCATION

Nepal College of Information Technology

Bachelor's in Software Engineering

Lalitpur

Aug 2022 – Present

Trinity International SS & College

Higher Secondary in Physics

Kathmandu

Aug 2020 – May 2022

EXPERIENCE

Backend Developer

July 2024 – Present

dl.surf

Bhaktapur

- 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.

Program Manager

Nov 2024 – Jan 2025

Nepal Open Source Klub

Lalitpur

- 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.

Technical Lead

Aug 2024 – Sept 2024

Nepal Open Source Klub

Lalitpur

- 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 | *Node.js, React, Express, MongoDB, Google OAuth*

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 | *HTML, Tailwind CSS, JavaScript*

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 | *Go, REST API*

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/NepalMoutainsAPI

Confessions | *PHP, MySQL*

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 | *Go*

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 | *Node.js, WakaTime API*

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