

Sujan Sapkota

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Tokha, Kathmandu [LinkedIn](#) · [Github](#) [Portfolio](#)

PROFESSIONAL PROFILE

I'm a Computer Engineering graduate with a solid foundation in software development and DevOps practices. I enjoy building robust, real-world systems — whether it's backend services or infrastructure workflows that ensure secure, reliable deployments. I like breaking down complex problems and turning them into simple, effective solutions. Always curious and learning, I'm passionate about leveraging technology to create efficient, secure, and impactful products.

SKILLS

Languages	Frameworks	DevOps Tools	Operating Systems	Soft Skills
<ul style="list-style-type: none">• Python• C/C++	<ul style="list-style-type: none">• Django• NumPy/Pandas• DRF	<ul style="list-style-type: none">• Docker• GitHub Actions• AWS	<ul style="list-style-type: none">• Mac• Linux• Windows	<ul style="list-style-type: none">• Problem-solving• Communication• Team Leadership

PROFESSIONAL EXPERIENCE

Kitwosd IT Support (Current)

Backend Developer

– Learning Portal

- Developed a full backend system for an e-learning platform featuring course creation, live classes, and recorded video management.
- Built a complete admin panel enabling administrators to create, update, and manage courses, subjects, chapters, users, and class schedules.
- Implemented secure user authentication, registration, and role-based access control.
- Designed APIs for mobile and web clients, ensuring consistent data structures and scalable endpoints.
- Optimized the database efficient queries for improved performance.

– Dairy management system

- Developed a full-stack Dairy Management System with multi-type milk collection tracking, inventory management, and recipe-based product manufacturing workflows.
- Designed a inventory tracking system with automatic stock synchronization, ingredient validation, and cascading updates.
- Developed a recipe-based manufacturing process that supports multi-ingredient workflows and incorporates stock validation.
- Developed a transaction management system linking milk collections to inventory, with automatic product creation and stock rollback on deletion.
- Optimized the database efficient queries for improved performance.

Leapfrog Technology

[Link](#)

DevOps & SecOps Fellowship

Part of an 10-week immersive fellowship focused on real-world DevOps and security practices. Working on projects that involve automation, monitoring, and securing modern cloud-native systems.

Nepal Telecom

[Link](#)

11-week internship – Information System Support Directorate (ISSD)

Worked closely with the technical team on network monitoring, basic system maintenance, and configuration tasks. Gained hands-on experience using IT support tools and troubleshooting techniques in a real-world setting. Learned the importance of clear communication and teamwork in a tech-driven environment.

Intel Institute – INTEL afterSEE

[Link](#)

Website Admin

Managed and updated the organization's website, created digital content, and helped run online examinations using Moodle (eLearning platform). This role sharpened both my technical and organizational skills.

ACHIEVEMENTS AND CERTIFICATIONS

- **President of KEC IT Club (2024/25)** : Organized and participated in multiple workshops and bootcamps on
 - Web3.0 and Github,
 - Data manipulation using Numpy and Pandas,
 - Linux and OpenSource Contribution,
 - Dristi 3.0
- **48-hour Hackathon at KIST HackFest (2024)** : Developed a computer vision-based web application to analyze exercise poses, provide feedback, count reps, and gamify workouts with leaderboards.
- **PALS "Think Create Engineer" Program (2023)** : Completed a residential program at IIT Madras (India) focused on transforming engineers into innovators. Developed a "Airport Passenger Feedback System" as a project.
- **WISE BEE Hackathon Winner (2023)** : Developed a Hotel Booking Cancellation EDA and Prediction model, securing 1st place in the competition.
- **Foundation of Cybersecurity by Google(2023)**. :Completed "The Google Foundation of Cybersecurity" course from Coursera.

PERSONAL PROJECTS

Nepashray :

[Link](#)

- Developed a Django-based backend for a social platform featuring
- secure user authentication (login and email-based password recovery),
- dynamic dashboards for monitoring likes/comments and managing posts,
- an admin panel for post verification.

Hotel Booking Cancellation Prediction:

- Built an ML model to forecast cancellations using data preprocessing,
- Data visualization to extract information.

[Link](#)

URL Shortner:

- Built a URL shortening service with customizable slugs, Base64-generated keys, and automatic expiry support.
- Implemented high-performance storage using Redis and tracked detailed click analytics for each shortened link.

EDUCATION

Bachelor in Computer Engineering

Kathmandu Engineering College
Kalimati, 13 Kathmandu

Sept 2020 - Present

Higher Secondary Education

Trinity International College and Higher Secondary School
Dillibazaar, Kathmandu

Jul 2018 - May 2020

Primary - Secondary Education

New Oasis Academy Higher Secondary School
Upallachaur, 4 Baglung

Mar 2008 - Apr 2018

REFERENCES

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