

# 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"><li>Python</li><li>C/C++</li></ul>	<ul style="list-style-type: none"><li>Django</li><li>NumPy/Pandas</li><li>DRF</li></ul>	<ul style="list-style-type: none"><li>Docker</li><li>GitHub Actions</li><li>AWS</li></ul>	<ul style="list-style-type: none"><li>Mac</li><li>Linux</li><li>Windows</li></ul>	<ul style="list-style-type: none"><li>Problem-solving</li><li>Communication</li><li>Team Leadership</li></ul>

## 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

### Er. Shyam Dahal

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Associate Professor  
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