

# Samyog Karki

Kathmandu, Nepal

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## Professional Summary

I'm a Computer Science graduate with a growing passion for networking, system administration, and IoT. Over the past few years, I've gained hands-on experience configuring Linux servers, setting up NAS storage, and managing network systems while working at Manakamana IT Solutions. I enjoy solving technical problems and keeping systems running smoothly, whether it's optimizing a local network or deploying a cloud-based service. Alongside my core networking interests, I also bring skills in software development, 3D design, and data analysis — giving me a well-rounded technical foundation. I'm now looking to start my professional journey as a Network Engineer or System Administrator where I can keep learning and contribute to reliable IT infrastructure.

## Technical Skills

**Networking:** Routing & Switching, Network Configuration, Troubleshooting, IoT Setup

**Systems:** Linux Server Management, NAS Configuration, Windows Administration

**Programming Languages:** Python, C#, SQL, JavaScript, React, Java

**Tools & Platforms:** Cisco Packet Tracer, Wireshark, Git, GitHub, Jira, AWS, Azure

**Creative Tools:** Unity, Blender (3D modeling, rendering), Photoshop, Figma

**Soft Skills:** Problem-Solving, Communication, Teamwork, Adaptability

## Professional Experience

### IT Support & Systems Analyst

Manakamana IT Solutions

January 2024 – Nov 2025

Kathmandu, Nepal

- Assisted in network configuration, system setup, and troubleshooting for office and client systems.
- Proactively monitored and optimized LAN connectivity to ensure seamless network performance.
- Gathered and synthesized user feedback into actionable insights for portal enhancement.
- Managed and monitored E-commerce website of the company.
- Conducted quality assurance testing from both user and admin perspectives, documenting findings systematically.
- Managed hardware and software troubleshooting, maintaining detailed records of issues and resolutions.

## Key Projects

### Cloud-Hosted Web Application | AWS, Azure, Linux, Java Script, SQL

July 2024

- Deployed scalable web application on AWS and Azure cloud platforms
- Configured Linux server environments and implemented full CRUD functionality
- Optimized database interactions for improved performance and reliability

### Grocery E-commerce Website | HTML, CSS, React, MongoDB

October 2024

- Collaborated with development team to build full-stack e-commerce website.
- Developed responsive front-end interface and integrated payment gateway functionality.
- Implemented admin dashboard for product management and order processing.
- Designed database schema for efficient storage and retrieval of historical information
- Implemented data validation processes ensuring accuracy and consistency of products records

### Course Management System | Java, Bootstrap, PHP, MySQL

March 2024

- Built a desktop app for managing academic records using Java Swing and SQL
- Developed GUI and Database connectivity for course and student management.
- Admin tools for adding and removing records, assigned course and student management was key features.

### Designed and Build an Automated Agent | Unity, C#, Mixamo, Sketchfab

March 2025

- Developed 3 automated Agents that delivers items in different places and in city developed in Unity..
- Implemented algorithms like A\* and Ant Colony Optimization.
- The whole city environment was designed and build in unity for this project.

## **Education**

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**Bachelor of Science with Honors in Computer Science**

*University of Wolverhampton (Herald College)*

**2025**

*Kathmandu, Nepal*

**Higher Secondary Education Board (NEB), Management (with Computer Science)**

*Saipal Academy*

**2021**

*Kathmandu, Nepal*

**Secondary Education Examination (SEE)**

*Prithwi Secondary Boarding School*

**2019**

*Kathmandu, Nepal*

## **Certifications & Achievements**

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**C# Language** – SoloLearn (2024)

**Networking Basics** – Cisco (2024)

**Technical Achievement:** Successfully developed and deployed personal NAS server

## **Key Strengths**

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- Problem-solving and debugging complex technical issues
- Collaborative team player with experience in academic and professional group projects
- Self-motivated with proven ability to complete independent projects
- Strong analytical and creative thinking abilities