

# AAYUSH ADHIKARI



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Boudha-6, Ramhiti



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## Work Experience

**Nepal Medical medical college**

**Aarubari, KTM**

**2023-2024**

Managed and maintained a network of over 200+ computers, troubleshooting hardware, software, and network connectivity issues to ensure operational uptime for critical medical college functions. Implemented preventative maintenance schedules..

**Sagar computer**

**Boudha, KTM**

**2020 - 2023**

Provided on-site technical support for hardware and software issues, including Windows OS troubleshooting, network problem resolution, CCTV system maintenance, and data recovery for diverse clients..

## Self - evaluation

I possess a mature and stable personality with strong interpersonal and communication skills, essential for effective coordination.

## Skills and Abilities

- **Cloud & AWS:** AWS Certified Solutions Architect - Associate; EC2, S3, IAM, VPC, RDS, Lambda; Cloud Architecture & Best Practices.
- **DevOps & Automation:** CI/CD (Jenkins, GitHub Actions), IaC (Terraform), Configuration Management (Ansible), Python Scripting.
- **Containers & Orchestration:** Docker, Kubernetes (K8s).
- **Core Technologies:** Python, Linux, NGINX, SQL (PostgreSQL), MongoDB.
- **Technical Proficiencies:** System Troubleshooting, Network Diagnostics, IT Support, Cloud Troubleshooting.

## Eduation

- **Bachelor in Computer Application**  
Reliance College, 2020 – ongoing (last semester)

## Achievements

- **Improvement Initiatives:** Implemented innovative solutions leading to increased efficiency and cost savings in computer repair projects such as data recovery from the hard disk of the accounting section at Hotel Tibet International.
- **Recognition for Outstanding Performance:** Received praises for exceptional contributions in roles as Computer Operator in NMC by the principal Dr. Promod Kumar Chhetri.s

## Certifications

Aws - Solution architect associate link:

<https://cp.certmetrics.com/amazon/en/public/verify/credential/67ace41c71df40bebb13a9dd8617f3e>

## Projects

### • Wanderlust

A full CI/CD-enabled MERN stack web application. Designed and deployed using multiple deployment strategies. Implemented Jenkins and GitHub Actions for automation, Docker for containerization, Kubernetes for orchestration, Terraform for infrastructure as code, and NGINX for reverse proxying. Deployed on AWS EC2.

 [GitHub Repository](#)

### • QRDANCE

A QR-based attendance system built for easy student check-ins. Generates and scans unique QR codes to track presence, ensuring a secure and streamlined attendance process.

 [GitHub Repository](#)

### • GoogleSheet Task Processor

A Python automation tool that reads data from a Google Sheet, performs calculations, and updates the sheet with computed results. Designed to simplify repetitive spreadsheet tasks.

 [GitHub Repository](#)

### • Leo Downloader

A YouTube video downloader application built with Python and PyQt5. Features a user-friendly GUI that allows users to download videos by simply entering the video URL.

 [GitHub Repository](#)

### • Chatbot Deployment

A CI/CD-focused deployment project for a chatbot application. Utilized Jenkins for automation, Docker for containerization, and Kubernetes for orchestration to ensure reliable and scalable deployment.

 [GitHub Repository](#)

### • Netflix-clone (deployment)

A CI/CD-focused deployment project for Netflix-clone. Utilized Jenkins for automation, Docker for containerization, and Kubernetes for orchestration to ensure reliable and scalable deployment.

 [GitHub Repository](#)

### Easy-Deployment (on-going)

A Vercel-like web application that allows users to deploy projects by either providing repository access or uploading a zip folder. It automatically builds and deploys the project using Docker or Kubernetes based on user preference. If necessary configuration files (like Dockerfile or manifests) are missing, the platform intelligently generates them.

 [Github Repository](#)