






# AAYUSH ADHIKARI


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## Profile

DevOps engineer with expertise in cloud infrastructure, CI/CD automation, and container orchestration, building reliable, scalable deployment pipelines. Experienced with AWS, Kubernetes, Docker, and Infrastructure as Code, with a focus on operational excellence and system reliability.

## Work Experience

<b>Audio Visual- IT,</b> <i>[Nepal Medical college]</i>	2023 – 2024
Managed 20+ computers with 99% uptime, troubleshooting hardware, software, and network connectivity issues to ensure operational uptime for critical medical college functions. Implemented preventative maintenance.	Aarubari, KTM
<b>Computer Technician,</b> <i>[Sagar computer]</i>	2020 – 2023
Provided on-site technical support for hardware and software issues, including Windows OS troubleshooting, network problem resolution and data recovery for diverse clients..	Boudha, KTM

## Education

<b>Bachelor in Computer Application,</b> <i>[Reliance College]</i>	2021 – Expected end(2025 Dec) Kathmandu, Nepal
<b>Higher Secondary Education,</b> <i>[Reliance Academy]</i>	2017 – 2019 Kathmandu
<b>SEE,</b> <i>[Kailash Bodhi Sec. School]</i>	2017 Kathmandu

## Skills and Abilities

<b>Cloud &amp; AWS</b> AWS Certified Solutions Architect - Associate; EC2, S3, IAM, VPC, RDS; Cloud Architecture & Best Practices.	<b>DevOps &amp; Automation</b> CI/CD (Jenkins, GitHub Actions), IaC (Terraform), Configuration Management (Ansible), Python Scripting, Docker compose, Nginx
<b>Containers &amp; Orchestration</b> Docker, Kubernetes (K8s)	<b>Technical Proficiencies</b> System Troubleshooting, Network Diagnostics, IT Support, Cloud Troubleshooting.
<b>Database</b> Mongodb, MySQL	<b>Monitoring &amp; Logging</b> Prometheus, Grafana, ELK Stack (basic familiarity)
<b>Operating systems</b> Linux (Ubuntu, macOS), Bash Scripting	<b>Version Control</b> Git, Github

## Projects

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**DevOps Butler**, A Vercel-like web application that allows users to deploy projects by providing repository access. It automatically builds and deploys the project using Docker. If necessary configuration files (like Dockerfile or Docker-compose) are missing, the platform intelligently generates them.

[Tech Stack - Python, Brung, Docker, Gemini 2.0 Flash](#)

[https://github.com/Aayush786-21/Devops\\_Butler.git](https://github.com/Aayush786-21/Devops_Butler.git) [↗](#)

**Netflix-clone (deployment)**, Deployed a Netflix-clone application using a robust CI/CD pipeline powered by Jenkins, Docker, and Kubernetes to enable scalable, automated delivery. Leveraged AWS EKS for managed Kubernetes, ensuring high availability and simplified cluster management. Integrated Prometheus and Grafana for real-time performance monitoring and visualization. Configured custom alerting rules with email notifications to proactively handle incidents and maintain service reliability.

[Tech Stack - Jenkins, Docker, Kubernetes, NGINX, AWS EKS, Prometheus, Grafana](#)

<https://github.com/Aayush786-21/netflix-.git> [↗](#)

**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. Integrated Prometheus and Grafana for monitoring, with alerting rules configured to trigger email notifications on defined thresholds.

[Tech Stack - Jenkins, Docker, Kubernetes, Terraform, NGINX, Prometheus, Grafana](#)

<https://github.com/Aayush786-21/chatbot-deploy.git> [↗](#)

**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.

[Tech Stack - Jenkins, GitHub Actions, Docker, Kubernetes, Terraform, NGINX, AWS EC2, Prometheus, Grafana](#)

<https://github.com/Aayush786-21/mern-deployment.git> [↗](#)

**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.

[Tech Stack - Python\(flask\), Sqlite](#)

[https://github.com/Aayush786-21/damn\\_project.git](https://github.com/Aayush786-21/damn_project.git) [↗](#)

**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.

[Tech Stack - Python, PyQt5](#)

[https://github.com/Aayush786-21/leo\\_downloader.git](https://github.com/Aayush786-21/leo_downloader.git) [↗](#)

**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.

[Tech Stack - Googlesheet, Python \(automation using 'os'-module\)](#)

[https://github.com/Aayush786-21/spreadsheet\\_connectivity.git](https://github.com/Aayush786-21/spreadsheet_connectivity.git) [↗](#)

## Certifications

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- AWS - Solution architect associate link -

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

## References

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Available upon request