

UNISH DHUNGANA

📍 Maitidevi, Kathmandu, Nepal

☎ +977 9824966010

✉ why.unees29@gmail.com

🌐 www.unishdhungana.com.np

🌐 [unish-dhungana](https://www.linkedin.com/company/unish-dhungana)

🐙 [y-unees](https://github.com/y-unees)

SYSTEM ADMINISTRATION | LINUX | NETWORK & INFRASTRUCTURE SUPPORT

Early-career Systems and Infrastructure professional with hands-on experience supporting Ubuntu servers, Samba file sharing, PostgreSQL 16 environments, Ansible automation, GitLab CI/CD, and supervised Sophos Firewall configuration. Experienced in user and permission management, shell scripting, Linux service configuration, backup and restoration, troubleshooting, and technical documentation across local and test environments, with limited supervised production exposure. Building toward a career in Systems Administration, DevOps, and DevSecOps.

SKILLS

TECHNICAL SKILLS

- Systems Administration: Ubuntu Linux, Samba File Sharing, User and Permission Management, Linux Service Configuration, Shell Scripting, Basic Windows Server Exposure
- Automation & DevOps: Docker, Docker Compose, Ansible, GitLab CI/CD, Git, YAML, Bash/Shell Scripting
- Networking & Security: TCP/IP, DNS, HTTPS, IPv4 Subnetting, VLAN Fundamentals, Sophos Firewall Rules and Policies, Firewall Log Review, Nmap, Wireshark
- Containers & Deployment: Docker, Docker Compose, Caddy, Container Networking, Persistent Volumes, Health Checks, Reverse Proxy Configuration
- Cloud & Web Infrastructure: Azure Linux VM, Cloudflare DNS/HTTPS, Custom Domains, SSH Tunnelling
- Database & Administration Tools: PostgreSQL 16, psql, pgAdmin, pg_dump, pg_restore, pgstream, mRemoteNG
- Programming: Python, JavaScript Fundamentals

EXPERIENCE

October 2025 – April 2026

System Admin & Infrastructure Trainee | Digi Hub

- Configured and supported a Samba file-sharing server on Ubuntu, including user access, permissions, authentication, and connectivity troubleshooting.
- Wrote shell scripts to automate Samba user creation and support routine account-management tasks.
- Used Ansible playbooks across approximately four local and test hosts for software installation, server configuration, and PostgreSQL service checks.
- Configured a GitLab CI/CD pipeline in a test environment with build, test, and deployment stages for local server delivery.
- Assisted with Sophos Firewall rules, user policies, and log review, with configuration changes submitted for supervisor approval.
- Supported PostgreSQL 16 administration, including roles, permissions, configuration review, database logs, backup and restoration using pg_dump and pg_restore.
- Researched and supported pgstream live replication and helped diagnose a failed stream caused by a missing target schema.
- Supported account provisioning across Microsoft, GitLab, and internal wiki platforms and assisted senior administrators during an office network setup.

April 2026 – Present

Lower Secondary Computer Teacher | Care English Boarding School

- Teach computer fundamentals and practical ICT concepts to approximately 130 students across Grades 3–7, covering computer history, hardware, software, ICT, Cyber Law, and introductory operating-system concepts.
- Prepare lesson plans and presentations and conduct beginner practical sessions using Microsoft Word, Notepad, Excel, and PowerPoint.

PROJECTS

Forensic Video Analysis and Dataset Pipeline

Python, OpenCV, FFmpeg/ffprobe, NumPy, JSON, JSONL, CSV

- Built a functional local command-line pipeline that extracts video metadata and representative frames and analyzes visual, temporal, and audio consistency.
- Developed structured forensic features and standardized JSON, JSONL, CSV, and text exports for dataset preparation and future machine-learning classification.
- Implemented input validation, structured logging, error handling, tests, schema versioning, auditing, and technical documentation.

FileDrop – Containerized File Transfer Service

Azure VM, Ubuntu Linux, Docker Compose, Caddy, Cloudflare, Next.js, FastAPI, PostgreSQL

- Deployed a four-service Docker Compose stack (Caddy, Next.js, FastAPI, PostgreSQL) on an Azure Ubuntu VM.
- Configured Caddy reverse proxy to route website and API traffic securely over an internal Docker network.
- Published application via a custom HTTPS subdomain while blocking public internet access to backend/database ports.
- Implemented container health checks, restart policies, auto-migrations, centralized logging, and readiness endpoints.
- Established SSH tunneling for secure local development database access without exposing port 5432.
- Authored comprehensive documentation covering deployment, architecture, database operations, backups, and troubleshooting.

VisionX – Digital Evidence Analysis Prototype

UI and Technical Contributor | Four-Member Hackathon Team

- Developed the homepage and analysis-results interface for a digital-evidence analysis prototype during Hackfusion 2026.
- Contributed limited video-pipeline work and maintained the team's stable working version when other development environments encountered technical issues.
- Received the Best Social Impact Award at Hackfusion 2026.

Infrastructure Automation & CI/CD Lab

GitLab CI/CD

- Built a containerized application workflow using Docker and GitLab CI/CD with build, test, and deployment stages.

Network Configuration Labs

Cisco Packet Tracer

- Configured small simulated network topologies using VLANs, IPv4 addressing, subnetting, routing concepts, and firewall rules.
- Tested traffic segmentation and connectivity between simulated network endpoints.

EDUCATION

Bachelor of Information Technology (Hons)

November 2023 – Present

Phoenix College of Management — Affiliated to Lincoln University College

CGPA: 3.82

Relevant Coursework: Computer Networks, Advanced Computer Networks, Operating Systems, Database Management Systems, Cryptography, Cyber Security Law and Policy, Software Engineering, System Analysis and Design

AWARDS

Best Social Impact Award — Hackfusion 2026

VisionX | Four-Member Hackathon Team | July 2026

TRAINING AND Certifications

- Internship Completion – DigiHub, April 2026
- Ethical Hacking Training – DanpheLink