

BIDHAYAK BARAL

Network & Systems Specialist

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Professional Summary

Network and systems specialist with practical experience designing and supporting multi-vendor environments across Cisco, MikroTik, and Juniper. Strong background in Linux administration, firewalls, VLANs, DHCP/DNS, wireless and campus networking, system monitoring (Nagios, Observium), virtualization, and cloud platforms including Microsoft Azure and Google Workspace. Proven ability to plan IT infrastructure, harden systems, respond to incidents, and mentor teams for reliable day-to-day operations.

Professional Experience

IT Manager, Itahari International College Mar 2023 – Aug 2024

- Designed, configured, and optimized multi-vendor campus networks using Cisco, MikroTik, Juniper, and firewalls to improve performance, segmentation, and security.
- Planned and deployed end-to-end infrastructure including Ethernet cabling, wireless access points, and IP camera systems to expand reliable campus connectivity and monitoring coverage.
- Supported core network services such as VLANs, DHCP, and DNS as part of day-to-day network operations and troubleshooting.
- Negotiated cost-effective IT procurement agreements, lowering spend while maintaining dependable hardware and software maintenance.
- Provided hands-on technical support to staff and students, reducing downtime and keeping academic and administrative operations running smoothly.

IT Officer, Islington College Jul 2022 – Mar 2023

- Installed, configured, and maintained Linux servers and related management software to improve operational efficiency and system stability.
- Administered Google Workspace and Microsoft Azure services to support cloud collaboration, identity access, and virtualization needs.
- Performed server maintenance, backup and patching routines, and performance monitoring with tools such as Nagios and Observium to sustain high availability.
- Applied system hardening practices and supported incident response during outages and service disruptions.
- Mentored interns and built training documentation that standardized IT support workflows and improved team readiness.

IT Intern, Vairav Technology Dec 2020 – Mar 2021

- Supported the Governance, Risk, and Compliance (GRC) team by helping draft frameworks, conduct risk assessments, and align IT practices with regulatory requirements.
- Assisted senior engineers with system configuration, troubleshooting, and technical documentation across IT environments.
- Contributed to security-focused operational tasks, including basic hardening checks and incident follow-up documentation.

Education

M.S. in Data Science, Carolina University, Winston-Salem, NC

B.Sc. (Hons) Networking & Cybersecurity, Islington College (London Metropolitan University)

Technical Skills

- **Networking:** Cisco, MikroTik, Juniper, Firewalls, VLANs, DHCP, DNS, Ethernet Cabling, Wireless Access Points, IP Camera Systems
- **Systems Administration:** Linux Administration, Windows Server, Virtualization, Backup and Patch Management, Shell Scripting
- **Monitoring & Security:** Nagios, Observium, Performance Monitoring, Incident Response, System Hardening, Governance Risk and Compliance (GRC) Support
- **Cloud & Collaboration:** Microsoft Azure, Google Workspace
- **Professional Skills:** Technical Support, Mentoring, Documentation, Communication, Vendor Negotiation, Problem-Solving

Languages

- Nepali – Native
- English – Fluent