Bishwas Subedi

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Summary

Information Technology student with hands-on experience in technical troubleshooting, infrastructure labs, networking, and Linux systems. Known for strong problem solving and the ability to document and support technical environments.

Technical Skills

Networking: IPv4/IPv6, subnetting, OSPF, ACL configuration
Systems: Linux (Ubuntu), system services, logging and monitoring
Cloud & Containers: AWS (EC2, S3, IAM), Docker environments
Programming / Tools: Python, Git

Education

Northern Kentucky University, Highland Heights, KY
Bachelor of Science in Information Technology
      Expected 2026
Relevant Coursework: Cloud Computing, Network Design & Troubleshooting, Linux System Administration, Web Server Administration, Network Security

Projects

Docker Security Sandbox -CIT 470: Advanced Network & System Administration   **Spring 2026**
- Built Docker lab with Kali Linux & Metasploitable, executed penetration testing using Metasploit, and implemented network isolation controls.

Enterprise Network Design (OSPF + IPv6) - CIT 447: Network Infrastructure & OSPF   **Spring 2026**
- Designed and troubleshot multi-area OSPF topology with IPv4/IPv6, optimizing routing and validating end-to-end connectivity.

PfSense Firewall & DMZ Implementation - CIT 470: Advanced Network & System Administration   **Spring 2026**
- Configured firewall with NAT, ACLs, and DMZ segmentation to secure internal and public-facing services.

AWS EC2 Cloud Deployment - CIT 438: Cloud Computing (AWS)   **Fall 2025**
- Deployed EC2 instances within a VPC, configured security groups, subnets, and SSH access for secure cloud networking.

Active Directory & Windows Server Administration - CIT 485: Network Security   **Spring 2026**
- Implemented domain controllers, user/group management, and GPO policies for enterprise authentication and access control.

WireGuard VPN Setup - CIT 470: Advanced Network & System Administration   **Spring 2026**
- Established encrypted VPN tunnels with secure peer communication for remote network access.

Experience

Desk Assistant - Northern Kentucky University   Oct 2021 – Aug 2022
• Provided front-line administrative and technical support for campus office operations.
• Managed records and logistics through spreadsheet tracking and documentation systems.
• Assisted students and visitors by resolving service requests and providing information.

Sales Intern - Travel Free Travels   Dec 2020 – Aug 2021
• Supported marketing and customer outreach initiatives.
• Assisted clients with passport, visa, and travel planning requirements.
• Conducted research to identify potential customer segments.

Website Developer - Travel Free Travels   Jan 2020 – Jul 2020
• Designed and developed website architecture and user interface components.
• Implemented content management systems and optimized database queries.
• Configured hosting environments and tested cross-browser compatibility.