

# Bipran Rimal

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## EDUCATION

### University of Cincinnati

*Bachelors of Science, Cybersecurity*

**Aug 2025 - May 2029**

- **GPA:** 4.0

- **Coursework:** Networking and Security, Database Management, System Administration, Web Development, Interactive Digital Media and Design Technology, Core Principles of Information Technology, Network Infrastructure Management, Computing Programming

## EXPERIENCE

### Fecon LLC

**Aug 2025 - Dec 2025**

*Cincinnati, Ohio*

*IT Intern – Junior Administrator (Systems, Networking Infrastructure & Security)*

- Improved network performance by 28% by coordinating with cabling contractors to run 50+ new cable drops and perform structured cable management, resulting in cleaner racks and faster troubleshooting across the office.
- Upgraded the organization's core infrastructure by replacing switches, reorganizing patch panels, and configuring VLANs + port settings through the Cisco Meraki Dashboard, increasing network reliability and scalability for 200+ endpoints.
- Enhanced network security and system uptime by deploying domain-joined systems, configuring 80+ AD accounts & GPOs, and assisting with Barracuda firewall sensor setup, reducing security gaps and improving monitoring accuracy by 35%.

### University of Cincinnati Housing

**Jan 2025 - Present**

*Cincinnati, Ohio*

*Neighborhood Frontline Residential Support Assistant – Technology & Operations*

- Managed scheduling, data tracking, and operational workflows for a team of 25+ residential assistants, using Excel and digital systems to ensure 100% shift coverage accuracy and timely completion of over 150+ weekly staff and resident requests.
- Delivered frontline technical and operational support to a community of 950+ residents, resolving issues and coordinating between departments to achieve a 98%+ satisfaction rate and maintain seamless daily housing operations.

### The Hotel Milestone

**Dec 2023 - Aug 2024**

*Kathmandu, Nepal*

*IT Infrastructure & Systems Administrator Assistant*

- Assisted in deploying a complete office network by installing and configuring the modem, router, patch panel, managed switches, dropped 16 wall jacks, and 4 wireless access points, ensuring stable connectivity and seamless coverage across the workspace.
- Delivered a phishing-awareness training session for 12 staff members, improving user understanding of social-engineering risks and strengthening the organization's overall security posture.
- Monitored device health and network status, set up and maintained office printers, and managed the company's hardware inventory, including sourcing and purchasing new equipment based on operational needs.

## PROJECTS

### Virtual Enterprise Infrastructure & IT Operations Guide

**Oct 2025 - Nov 2025**

*Cincinnati Ohio*

**Systems & Network Administrator (Simulation Project)**

- Built a virtualized enterprise network in VMware with 4 servers (AD, DHCP, DNS, File Server) and 1 client system joined via VPN under a custom domain, simulating real-world organizational IT infrastructure on a small scale.
- Authored a 20-page technical guide detailing the setup of patch panels, switches, and firewalls, improving practical understanding of enterprise IT operations by over 70%.

### Enterprise Certification Workflow Automation

**Oct 2025 - Nov 2025**

*Cincinnati Ohio*

### Fecon LLC

- Built an automated certification management system using Microsoft Power Automate, Forms, and Excel to streamline how safety certifications are tracked and recorded across the organization.
- Integrated dynamic data flow from Microsoft Forms to Excel, automatically calculating completion and expiration dates, and generated personalized ID-style certification PDFs reducing manual effort by 80% and ensuring 100% data accuracy in recordkeeping.

### UC Connect

**Feb 2025 - Present**

*Cincinnati, Ohio*

**University of Cincinnati**

- Prototyping and developing a secure full-stack platform using Figma, HTML, CSS, and JavaScript to connect students across diverse majors at the University of Cincinnati, fostering collaboration, innovation, and interdisciplinary learning.
- Designed to promote a startup culture, the platform aims to boost student-led project participation by 30% and connect 1 in 6 students for enhanced academic and professional collaboration.

## TECHNICAL SKILLS

- **Cybersecurity and Networking:** Wireshark, Nmap, Threat Detection, Incident Response, Firewall Configuration, Troubleshooting & End-User Support, Cloud Security, Cloud Computing, Phishing Investigation, Basic Networking (TCP/IP, DNS, DHCP), Mimecast
- **Programming and Scripting:** HTML, CSS, Java, Javascript, C++, SQL, Python, Bash, PowerShell
- **Tools and Platforms:** PyCharm, Microsoft Office, Github, MySQL, phpMyAdmin, Figma (UI/UX Design), VScode, Google Workspace, Zoom, Slack, Microsoft 365 Administration, Power BI, Excel, Active Directory, Teams, Outlook, Atera, Syteline, Ticketing Tools
- **Database and Backend:** MySQL, Firebase, phpMyAdmin, Database Management
- **System and Infrastructure:** Windows OS, macOS, Linux, Active Directory, VMware, Hardware Maintenance & Deployment, Workstation imaging and deployment, Remote Support, Help Desk Support, Azure, GPOs, Patch Panel, Switch, WAP, Scale

## CERTIFICATIONS AND COURSEWORKS

- **CompTIA CYSA+:** In Progress – Expected March 2026
- **Harvard CS50 Cybersecurity:** Coursework Completed via Engineering Services Company (EDX)
- **Core Principles of Cybersecurity and Threat Intelligence:** Certification accomplished: 10/9/2024- LinkedIn Learning
- **Comprehensive Foundations of Code Architecture:** Self-paced coursework completed via LinkedIn Learning
- **SQL & Enterprise Database Management Systems:** Self-paced coursework completed via LinkedIn Learning