

Sarath Chandra Pulipati

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Professional Summary

Cybersecurity and networking professional with a Master of Science in Cybersecurity & Networks from the University of New Haven and CompTIA Security+ certification. Hands-on experience in enterprise networking, Windows and Linux system administration, endpoint and identity security, and security fundamentals through academic and practical project work. Experience includes Windows Server environments, Active Directory, Group Policy, virtualized labs, network design, penetration testing, and backend application development. Actively seeking entry-level opportunities in cybersecurity, network administration, endpoint management, or IT infrastructure roles.

Technical Skills

Operating Systems & Platforms: Windows Server, Windows 10/11, Linux

Identity & Endpoint Management: Active Directory (AD DS), Group Policy Objects (GPOs), Microsoft Intune, Microsoft Entra ID (Azure AD), Conditional Access, Device Compliance Policies, Access Control

Networking: DNS, DHCP, Enterprise Network Design, Subnetting, VLANs, Routing Protocols, Network Security

Security: Ethical Hacking, Vulnerability Assessment and Penetration Testing (VAPT), Threat Detection, Digital Forensics, Data Security, Cryptography

Web & Databases: Python, Flask, SQL, MySQL, Database Design, Data Integrity

Infrastructure & Tools: Virtualization (VirtualBox), IIS Web Server, File Server Resource Manager (FSRM), Kali Linux

Experience

University of New Haven

Graduate Teaching Assistant – Windows Network Administration
West Haven, CT

Jan 2025 – Dec 2025

- Assisted in delivering hands-on Windows Network Administration labs simulating enterprise-scale endpoint and infrastructure environments using VirtualBox.
- Supported setup and management of a Windows Server 2022 domain with Windows 10 and Windows 11 client systems.
- Assisted with Active Directory Domain Services (AD DS) installation, domain promotion, and management of users, computers, groups, and organizational units (OUs).
- Configured and supported DNS and DHCP services, including scope creation, address allocation, and name resolution testing.
- Installed and managed IIS Web Server and validated basic web service functionality.
- Assisted in creating and deploying Group Policy Objects (GPOs), including logon banners, desktop wallpaper policies, and user environment settings.

- Supported execution and testing of logon scripts for domain users.
- Helped configure home folders and shared public drives with NTFS and share-level permissions.
- Assisted with printer deployment using Print Services and user assignment.
- Implemented delegation of control within Active Directory for administrative tasks.
- Assisted with File Server Resource Manager (FSRM) configuration, including storage quotas and monitoring.

Projects

Enterprise Network Design and Simulation (Cisco Packet Tracer)

- Designed and simulated a multi-branch enterprise network with routing, switching, VLAN segmentation, and WAN connectivity.
- Planned IP addressing and subnetting strategies for multiple branch offices.

Ethical Hacking and Penetration Testing Lab (Virtual Environments)

- Conducted penetration testing in isolated Windows and Linux virtual environments.
- Followed structured methodologies including reconnaissance, enumeration, exploitation, and reporting.

E-Commerce Web Application using Flask and SQL

- Developed a functional e-commerce web application using Python Flask and SQL.
- Implemented backend logic, database integration, and user authentication.

Relational Database Design and Querying using MySQL

- Designed a normalized relational database using MySQL Workbench.
- Created ER diagrams and executed complex SQL queries.

Blockchain-Based Product Authenticity and Supply Chain Security

- Researched blockchain-based approaches to ensure product authenticity and data integrity.
- Applied cryptographic concepts and IPFS-based distributed storage principles.

Certifications

CompTIA Security+

Issued Jan 2026 – Expires Jan 2029

Education

University of New Haven

Master of Science in Cybersecurity and Networks

Jan 2024 – Dec 2025

University of Rome Tor Vergata

Bachelor's Degree in Information and Communication Technology

Sep 2019 – Jul 2023