

Sarath Chandra Pulipati

Hartford, CT

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Professional Summary

Entry-level cybersecurity and networking professional with a Master of Science in Cybersecurity & Networks and CompTIA Security+ certification. Hands-on experience with enterprise-style Windows environments, Active Directory, Group Policy, networking fundamentals, and security labs through academic projects and a Graduate Teaching Assistant role. Strong foundation in system administration, network design, vulnerability assessment, and backend application development. Actively seeking entry-level roles in cybersecurity, network administration, endpoint management, or IT infrastructure.

Technical Skills

Platforms & Tools: Linux, Windows, Windows Server, Cisco Packet Tracer, Splunk, Metasploit, Wireshark, Nessus, Wazuh, OWASP ZAP, VirtualBox, VMware, Git, GitHub

Systems & Identity Management: Microsoft Intune, Microsoft Entra ID, Active Directory (AD DS), Group Policy Objects (GPO), Identity & Access Management (IAM), Security Policies & Identity Governance

Networking: Routing & Switching Protocols, Subnetting, VLANs, DNS, DHCP, Firewalls, IDS / IPS, Network Traffic Analysis, Network Segmentation & Isolation, Network Attacks & Mitigations

Security: Threats & Risk Management, Encryption & Hashing, Logging & Incident Response, Malware Analysis, Vulnerability Assessment, Access Control, Security Policies & Compliance

Programming & Scripting: Python, PowerShell, Bash, SQL, HTML

Experience

University of New Haven

West Haven, CT

Graduate Teaching Assistant – Windows Network Administration

Jan 2025 – Dec 2025

- Assisted in delivering hands-on Windows Network Administration labs simulating enterprise-scale endpoint and infrastructure environments using virtualized systems.
- Supported setup and management of a Windows Server 2022 domain with Windows 10 and Windows 11 client machines.
- Assisted with Active Directory Domain Services (AD DS) configuration, including user, group, computer, and organizational unit management.
- Configured and supported core network services such as DNS and DHCP, including scope creation and functionality testing.
- Assisted in creating, deploying, and testing Group Policy Objects (GPOs) such as logon banners, desktop policies, and user environment settings.
- Supported IIS Web Server installation and validation of basic web service functionality.
- Assisted with file services configuration including shared folders, NTFS permissions, home directories, and storage quota management using FSRM.

Projects

Cyber Forensics Investigation Project

- Conducted an end-to-end digital forensic investigation involving two forensic disk images (.E01) and a network packet capture (.pcap) related to a simulated enterprise data breach.
- Performed evidence acquisition, validation, and analysis following forensic best practices, including chain of custody and integrity verification.
- Analyzed Windows and Linux file systems using Autopsy and FTK Imager to identify user activity, authentication artifacts, suspicious files, and encrypted data.
- Performed network forensic analysis using Wireshark to identify data exfiltration activity and correlated host-based evidence with network logs.
- Reconstructed the incident timeline and identified the responsible user through log correlation and forensic artifacts.
- Documented findings in a structured forensic report aligned with professional and legal forensic standards.

Ethical Hacking & Penetration Testing

- Performed controlled penetration testing on Windows and Linux virtual machines in a simulated lab environment.
- Conducted vulnerability assessment, exploitation, and post-exploitation analysis following structured methodologies.
- Identified misconfigurations and security weaknesses and documented findings in a formal penetration testing report.
- Utilized tools including Kali Linux, Metasploit, and network scanning utilities for attack simulation and analysis.

Enterprise Network Design (Cisco Packet Tracer)

- Designed and simulated a multi-branch enterprise network using Cisco Packet Tracer.
- Implemented VLANs, subnetting, routing, and network segmentation to support scalability and security.
- Configured core networking services including DNS and DHCP and applied basic network security controls.

Flask E-Commerce Web Application

- Developed a functional e-commerce web application using Python Flask with SQL-based backend integration.
- Implemented user authentication, database interactions, and backend logic.
- Followed secure coding practices and version control using Git and GitHub.

Certifications

CompTIA Security+

Issued Jan 2026 – Expires Jan 2029

Education

University of New Haven

Master of Science in Cybersecurity and Networks

University of Rome Tor Vergata

Bachelor's Degree in Information and Communication Technology

West Haven, CT

Jan 2024 – Dec 2025

Rome, Italy

Sep 2019 – Jul 2023