

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

West Haven, CT

Jan 2024 – Dec 2025

University of Rome Tor Vergata

Bachelor's Degree in Information and Communication Technology

Rome, Italy

Sep 2019 – Jul 2023