ARAVINDA KETIPEARACHCHI

PROFILE

Cybersecurity graduate with expertise in network security and troubleshooting, technical support, and Customer service. Experienced in utilizing cutting-edge technologies to address complex challenges in both competitive and collaborative environments. Seeking a position in IT or IT security. Willing to relocate.

RELEVANT EXPERIENCE

Collegiate Cyber Defense Competition(CCDC), (MN State 2024)

- PAN OS 11 was used as the network firewall and network gateway.
- Assessed the competition environment and compliance requirements to ensure security policies are aligned with competition regulations.
- Implemented security policies that are effective for workstations and servers with their respective services networks and allowed protocols with filtered inbound traffic.
- Created and applied security profiles for anti-spyware, vulnerability protection, URL-filtering, and protect against DoS attacks.
- Collaborated closely with teammates to solve Scribe-Injects efficiently with the team with 90% success rate.

Active Directory Management with AWS (Spring 2023)

- Deploy and configure Windows 2016 Server on AWS Cloud.
- Established a local domain in the Active Directory
- Administer User and Group management, GPO deployment, OU design, Configured secure file sharing. and password policies.
- DNS management with A records to map hosts with IP addresses for network navigation.
- Designed a DHCP server assigning IP addresses prescribed range, reserving, and excluding some for specific services and hosts.
- Implemented a daily backup strategy for the server.
- Configured Device Management for a single physical printer and prioritize print jobs for specific user groups.

WORK EXPERIENCE

Architectural Graphic Technician, St. Cloud State University (Sept 2020-May2021)

- Updated and validated building maps, safety procedures, and equipment information.

Front Desk & Warehouse Assistant, St. Cloud State University (June 2019 – May 2021)

- Acted as a central point of contact, handling phone inquiries, work order assignments, and customer service.

Mechanical Engineering Intern, Chart Industries - New Prague, MN(Feb. 2020- Mar. 2020)

- Implemented 99.99% precise methods for distance calculation in 3D CAD.
- Cost reduction initiative resulting in 10% reduction in parts cost for high usage vessels.
- Optimized MathCad calculations, reducing the number of calculations required to 10%.

Office Assistant, College of Education Dean's Office - St. Cloud State University (Sept. 2017- May 2021)

- Coordinate visitor access and assist with daily tasks, prioritizing security, and data protection.

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EDUCATION

St. Cloud State University, St. Cloud, MN
BS in Cyber Security, Spring 24

LANGUAGES

Python, MATLAB, Arduino, SQL, html

TECHNICAL SKILLS

OS : MacOS, Windows, Kali Linux.
Network protocols: HTTP/HTTPS, UPD, DHCP, LAN/WAN, TCP/IP, FTP, SSH
Networking Concepts/Tools: routing, subnets, wireless networks, automating, VMware, VirtualBox
System Administration: Active Directory, Users and accounts management, DNS, DHCP and group policy configuration
Server Management: setting up, maintaining, and troubleshooting.
Storage Management: backup and recovery strategies and tools.
Security: understanding of Cybersecurity principles,
Patch Management: practices in keeping software, drivers, and firmware up to date
MS Office package

SOFT SKILLS

Communication, attention to detail

PROJECTS & ACTIVITIES

- Cyber Competition Club member at SCSU.
- Tryhackme top 14%.
- Metasploitable2
- CTFs