Asjath Ahamed Mohamed Aazath

Network Engineer & Cyber Security

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PROFILE

Dedicated Network Engineer with hands-on experience in configuring, securing, and optimizing network infrastructures, complemented by expertise in cybersecurity. Proficient in routing, switching, firewall management, network troubleshooting, and database administration. Strong foundation in network security enhanced by practical skills in automation using Python and PowerShell. Committed to continuous professional development, currently pursuing a BSc (Hons) in Data Science while actively working towards industry-recognized certifications. Penetration testing cybersecurity enhances the ability to develop effective incident response strategies.

PROFESSIONAL EXPERIENCE

IT Administrator   01/2024 – 07/2025
ATM Pharmacy   Akkaraipattu, Sri Lanka

- Administered local database for stock and income tracking, managing 500+ inventory records and financial transactions to ensure data accuracy and operational efficiency.
- Troubleshoot and resolved network connectivity issues for Wi-Fi, LAN, and IP-based CCTV systems, reducing downtime by approximately 20%.
- Configured and maintained IP-based CCTV systems, ensuring secure and reliable surveillance operations through proper network settings.
- Performed regular database maintenance, including backups and updates, to prevent data loss and ensure system reliability.
- Implemented basic security measures, such as user access controls and password management, to protect sensitive inventory and financial data.

EDUCATION

Data Science   09/2025 – Present
ESOFT Metro Campus (London Metropolitan University)   Colombo, Sri Lanka
BSc (Hons)

Network Technology and Cyber Security   09/2022 – 12/2024
ICBT Campus (Cardiff Metropolitan University)   Batticaloa, Srilanka
Higher Diploma

SKILLS

Networking & Security — TCP/IP, VLANs, STP, NAT/PAT, DNS, DHCP, SNMP, ICMP, WPA3, IPsec, SSL VPN, TLS, NAC, Burp Suite, Nmap, Amass, Nessus

Systems & Tools — Windows Server 2019/2022, Linux/Kali-Linux, Active Directory, VMware, Microsoft Hyper-V, Microsoft Azure, Wireshark, Git/GitHub, PostgreSQL/MySQL, Local Database Administration

Programming & Automation — Python, JavaScript, C++, Next.js, React, Tailwind CSS, PowerShell

Soft Skills — Teamwork, Communication, Adaptability, Problem-Solving

PROJECTS

Viper Scanner - Python Based Scanner 🔗   06/2025 – Present
Own Project - Self Learning

- Developed a Python-based tool using Nmap on Kali Linux to automate host discovery, port scanning, and generate HTML vulnerability reports.
- Created as a basic tool to demonstrate Python programming skills, enhancing practical experience in network security and vulnerability assessment.
- Planning future AI/ML integration to enable advanced vulnerability prediction and automated analysis.

Active Directory Automation with PowerShell and UiPath   08/2024 – 12/2024
Final Project of Higher Diploma

- Automated Active Directory tasks such as user account creation, password resets, and OU assignments with PowerShell scripts.

- Integrated UiPath RPA to provide a user-friendly interface and streamline execution of backend automation workflows.
- Improved GPO management, role-based access control, and CSV reporting, reducing errors and enhancing administrative visibility.
- Increased efficiency of network administration by 40% while enforcing consistent security and compliance policies.

Automated Job Application Bot ⎘   09/2025 – Present
Python, Web Scraping, Automation
- Developed a Python script to automatically find and apply for jobs on TopJobs.lk ⎘ .
- Used BeautifulSoup to scrape job listings for roles like Cyber Security and Network Engineer.
- Built an intelligent filter to target only junior, intern, and entry-level positions.
- Automated email applications with CV attachments using Python's smtplib.
- Managed application history with Pandas to avoid sending duplicate applications.

INTERESTS

Capture the Flag (CTF) on Hack The Box — Engaging in CTF challenges to boost cybersecurity skills, completing 20+ boxes with focus on web exploitation and cryptography

Bug Bounty Hunting on HackerOne — Exploring vulnerability discovery in real-world apps, earning rankings through responsible disclosure

REFERENCES

Mr. Sujikaran Sathiyanathan, *Software Engineer - RPA*, Mitra Innovation - Morattuwa
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Mr. B. Delucshanth, *Center Manager*, ICBT Campus Batticaloa
delucshanthV@icbtcampus.edu.lk, +94 77 780 0967

LANGUAGES

| Tamil | ● ● ● ● ● | English | ● ● ● ● ○ |
| Sinhala | ● ● ○ ○ ○ | | |