NILESH DONGARE

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PROFILE

Cyber Security professional with 4+ years of experience across IT operations, vulnerability analysis, and network security. Skilled with strong expertise in infrastructure management and Security. Certified Ethical Hacker (CEH) and completed MSc in Applied Cyber Security at Queen's University Belfast. Passionate about strengthening enterprise resilience through proactive threat detection, secure network design, and continuous security improvement.

KEY SKILLS

Windows 10/11 | Windows Server 2016/2019 | Linux (Ubuntu/Red Hat/Kali)
Penetration Testing | Malware & Vulnerability Analysis | Network Security | Infrastructure Assessment
Metasploit | Nmap | BrupSuit | Wireshark (tshark) | Nessus | OWASP Zap | SQLmap | MobSF| Nikto
LAN/WAN | DHCP | DNS | VLANs | Routing & Switching | Active Directory | Office 365

WORK EXPERIENCE

Nvidia (QUB, Belfast, UK)   **Research Student**   **May2025-Sep 2025**
- Built GPU-accelerated Layer-5 ML pre-filter (100–1000× reduction, zero-FN for SQLi/XSS)
- Architected NGINX→Python/RAPIDS→cuML/PyTorch→FastAPI pipeline
- Benchmarked 5–10 Gb/s with path to ~50 Gb/s on NVIDIA L40s
- Dockerized, instrumented metrics, and validated with adversarial datasets

Fev India Pvt. Ltd.   **Asst. Manager (Network Engineer)**   **Jun 2023 - Aug 2024**
- Provided technical support to over 800+ users across offices and remote set-ups
- Monitored daily network operations including troubleshooting routers, switches, and access points
- Administered Office 365 user accounts, including email configuration, Teams, and OneDrive
- Led software and system upgrades across 800+ devices, improving stability and reducing malware incidents
- Trained staff in IT best practices, secure file storage, and email safety, decreasing user-related incidents

Cybernetit Pvt. Ltd.   **Computer Hardware and Network Engineer**   **Jan 2023 - Jun 2023**
- Delivered client-site support, patch management and backup administration
- Managed AD & O365 accounts, patching and endpoint security, cut malware incidents 30%
- Supported Windows & Linux servers, ensuring business-critical availability

DCC Infotech Pvt. Ltd.   **Costumer Service Engineer**   **Jun 2021 – Feb 2022**
- Provide on-site/remote support, resolving hardware, OS and network issues
- Installed/configured servers, NAS and network devices, boosting data access 80%
- Configure Cisco, HP, Sophos, Netgear and Ubiquiti etc. devices, improving uptime and performance
- Support Office 365, backups, and small-business cloud migrations

EDUCATION

Queen's University Belfast   **MSc in Applied Cyber Security**   **September 2025**
- 60% Commendation

Savitribai Phule Pune University   **Bachelor of Engineering IT**   **July 2023**
- 7.99 CGPA

Projects

High Data Rate Realtime ML Network Anomaly Detection- Nvidia

created a high-performance ML-based prefilter system to identify and block SQL Injection and XSS attacks on datacenter traffic. Used the UNSW-NB15 data and NGINX TLS proxy to run Packet inspection on Layer-5, reaching 1000x traffic reduction at a zero false negative rate and 50 Gb /s throughput with GPU acceleration.

Infrastructure & Network Security Implementation - Fev India Pvt. Ltd.

Designed and deployed secure enterprise infrastructure using Cisco and Palo Alto solutions, achieving 99.99% uptime. Implemented firewalls, VLANs, VPNs, and patch management, strengthening network security and reducing

vulnerabilities by 30% across multi-site operations.

CERTIFICATIONS and Training
ITIL Foundation4 Certification (ITIL-GR671651256ND)
Certified Ethical Hacker (CEH-ECC3107658429)
eLearnSecurity Junior Penetration Tester (eJPT)
OSCP Preparing
Extra-Curriculars Activity
Hack The Box
Try Hack Me (Top 10 %)
Participated in International C2C CTF Event, USA
Participated in CTF competition hosted by Nvidia
REFERENCES
Dr. Sakir Sezer, Project Supervisor (NVIDIA), Queen's University Belfast, email: s.sezer@qub.ac.uk
Dr. Oluwafemi Olukoya, Lecturer, Queen's University Belfast., email: o.olukoya@qub.ac.uk.