README Project Summary

1. Network Simulation (Packet Tracer)
Designed and simulated a small enterprise network using Cisco Packet Tracer. This project involved creating VLANs, assigning IP addresses, and verifying connectivity between devices.

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2. Network Security Hardening (Cisco IOS CLI)
Implemented network security hardening using Cisco IOS CLI. Configured VLANs, applied access control lists (ACLs), and disabled unnecessary ports to enhance security.

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3. Vulnerability Assessment (Kali Linux)
Conducted a vulnerability assessment using Nmap on a target host to identify open ports and potential risks. Provided a detailed report with recommendations for mitigation.

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4. Linux System Hardening (Kali Linux WSL)
Configured and secured a Kali Linux environment using WSL. Implemented firewall rules, created secure user accounts, and hardened the system against unauthorized access.

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5. Log Monitoring & Analysis (Kali Linux WSL)
Monitored and analyzed system logs in a Kali Linux WSL environment. Adapted to WSL limitations by using alternative methods such as checking active processes and network connections.

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6. Documentation & CV Update
Compiled comprehensive documentation for each project and updated the CV to reflect the acquired skills and completed projects. Ensured all work was properly documented and organized.