Aayush Prajapati

Network & Systems Engineer (Infrastructure & Security Operations)

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PROFESSIONAL SUMMARY

Network and Systems Engineer with experience supporting IT systems in the aviation industry. Skilled in managing **networks and servers, monitoring system security**, fixing issues, and keeping systems running smoothly **24/7**. Focused on day-to-day operations, reliability, and improving performance through **monitoring and automation**.

PROFESSIONAL EXPERIENCE

Yeti Airlines Ltd   Tilganga, Kathmandu
Information Technology Assistant   December 2022 - Present
- Designed and deployed **automated backup workflows and centralized monitoring** with alerts.
- Administered and maintained **AD**, including user access, group policies, and authentication.
- Managed and optimized **networks, servers & firewall** ensuring security and **HA.**
- Performed **incident resolution and root-cause analysis**, reducing recurring system issues.
- Developed **SQL-based operational reports** for internal teams.

Yeti Airlines Ltd   Tilganga, Kathmandu
Business Development Intern   July 2022 - October 2022
- Conducted market and competitor analysis while managing vendor and OTA data reporting to support commercial strategy and pricing decisions.

TECHNICAL SKILLS

- **Networking:** Enterprise LAN/WAN, VLANs, Routing (OSPF/BGP), VPNs, HA/Redundancy
- **Security Operations:** Firewalls, IDS/IPS, Endpoint Security, Access Control
- **Systems & Virtualization:** Windows Server, AD, File Server Resource Manager (FSRM), System Administration, NAS, Nutanix, Hyper V, Promox VE, Backup & HA Planning
- **Database:** Microsoft SQL Server, SSMS, Queries, Reporting, Backup & Restore
- **Monitoring & Observability:** Prometheus, Grafana, Nagios
- **Automation & Scripting:** PowerShell (Monitoring & Remediation Scripts)
- **Programming:** Python, Java

PRACTICAL PROJECTS

- **Multi-Server Infrastructure Monitoring System:** Designed and implemented **Prometheus & Grafana** for monitoring of multi-server infrastructure to track CPU, memory, disk, availability.
- **PowerShell Automation & Incident Response:** Developed **PowerShell automation** to monitor CPU usage and trigger alerts and service restarts at critical thresholds**.**
- **AD & DNS High-Availability:** Built a multi-server lab with **dual AD/DNS servers** and separate networks, hosted a web server with DNS, configured **pfSense (firewall/NAT)**, and integrated **Wazuh** for centralized monitoring.

TRAINING & CERTIFICATIONS

- Oracle Certified Networking Professional
- Certified Social Engineering Defense Practitioner (CSEDP)
- Certified Cybersecurity Educator Professional (CCEP)
- Fortinet NSE 1 & NSE 2
- Cisco Ethical Hacker

EDUCATION

TRIBHUVAN UNIVERSITY
Bachelor of Computer Applications (BCA) - Cumulative GPA: **3.40 / 4.0**