

Prashant Tomar

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SUMMARY

Master's graduate in Computer Science (April 2024) with over nine years of IT experience, blending network security, system administration, and automation expertise. Proficient in managing user access, resolving technical issues, and documenting processes to ensure compliance. Adept at collaborating with teams to enhance security and operational efficiency.

TECHNICAL SKILLS

Network/Security: VPN, Firewalls, Identity Awareness, TCP/IP, L2/L3 Networking

Tools: ServiceNow, Active Directory, AWS, PowerShell, VS Code, Python (automation), Git

IT Practices: Troubleshooting, Compliance Audits, Process Documentation

EXPERIENCE

IT Intern, SEES, ODU – Norfolk, VA

2023 – 2024

- Wrote Python and PowerShell scripts to automate IT workflows, cutting service delays by 20%.
- Managed AWS cloud services and VMs, boosting infrastructure efficiency by 25%.
- Supported 500+ IT resources, resolving 95% of issues and upgrading 200+ devices with zero downtime.

Graduate Research Assistant, ITS, ODU – Norfolk, VA

2022 – 2023

- Built a Python pipeline to process 1,000+ Twitter links with ML, speeding analysis by 25%.
- Created a TF-IDF and PageRank system, improving search for 1,000+ pages.
- Scripted URL cleaners with curl and wget, archiving 750+ pages without tracking clutter.

Network Engineer, Corporate Infotech Pvt Ltd – New Delhi, India

2015 – 2022

- Administered user access via AWS VPNs and DHCP servers, securing networks with 99% uptime.
- Providing real time support for VHF services (Ground to Air Communication) being used by the Flight Operations department at Terminal – 3 .
- Providing support for the AIRCOM (SITA) application being used by various Air India departments .
- Installation , configuration and diagnostic maintenance of the Air India Cyberroam UTM (Unified Threat Management) device , as per the Air India Network and Internet access security policy .
- Deployed MPLS routers and DHCP servers for Air India, ensuring reliability.
- Documented security protocols, aiding compliance audits and team coordination.

PROJECTS

Web Server Design (Python, Docker, Git)

- Coded an HTTP/1.1 server, deployed in Docker, and optimized with load balancing.

Public Mood Analysis (Python, NLP)

- Analyzed 70,000+ tweets with NLP to track sentiment during the Sri Lanka crisis.

EDUCATION

2022 – 2024

MS, Computer Science – Old Dominion University, Norfolk, VA