Jyotiswaroop Tripathi

Linux & Server Administrator skilled in system configuration, networking, and security. Proficient in Git, Docker, and Podman with good knowledge of AWS Cloud. Experienced in Python, Ansible & C for automation and tool development, with a strong interest in cybersecurity and open-source contributions.

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GitHub - https://github.com/jyotiswaroop20
Portfolio - https://jyotiswaroop20.github.io/shandilya-portfolio-website/

Career Objective –

To secure an entry-level role as a Linux Administrator or Cloud Engineer, where I can apply my skills in Linux system administration, server management, AWS cloud, containerization (Docker/Podman), automation (Python / C / Ansible), and cybersecurity while contributing to secure and reliable IT infrastructure.

Key Skills –

- Problem-Solving **|** Communication **|** Teamwork **|** Adaptability
- Quick Learner with Strong Practical Approach

Technical Skills –

Operating Systems:

➢ **Linux Server OS:** CentOS 8/9, RHEL 8/9, AlmaLinux 9.5, Rocky Linux 9.5 & Kali Linux
➢ **Linux Client OS:** Linux Mint (21.3 Virginia – Mate, 22.1 Xia – Cinnamon)
➢ **Windows Client OS:** XP / 7 / 8 / 10 / 11

➢ **Linux Administration / DevOps Tools Knowledge:**
Proficient in Core Linux System Administration including user/group management, file permissions & ACLs, cron jobs, process/service handling, logging, auditing, SELinux, patching, backup scheduling, GRUB2, systemd and shell scripting. Experienced in Storage Management with LVM, RAID, Stratis, VDO, disk partitioning/formatting (ext4, XFS), mounting, swap, quotas and LUKS encryption. Skilled in Networking & Services such as Apache web hosting, FTP/SSH, Samba/NFS, DHCP/DNS, MySQL, Postfix, NTP and firewall management. Knowledgeable in Cloud & Containerization including AWS (EC2, S3, IAM, VPC, EFS, EBS), Docker, Podman and version control with Git/GitHub/GitLab. Familiar with Cyber Security fundamentals covering CIA/DAD Triad, cryptography, Kali Linux tools (Nmap, Wireshark, Burp Suite), ethical hacking basics, OWASP Top 10, network attacks (MITM, DNS spoofing, ARP poisoning), Linux/Windows hardening, malware awareness, incident response, SIEM, IDS/IPS, endpoint and cloud security with Zero Trust model.

➢ **Cyber Security Knowledge:**
Familiar with core security concepts like CIA/DAD Triad, Parkerian Hexad, TCP/IP fundamentals and cryptography basics. Hands-on exposure to Kali Linux, Nmap, Wireshark, Burp Suite, Proxychains, VPN and TOR for analysis and testing. Knowledge of ethical hacking phases including reconnaissance, scanning, vulnerability assessment and exploitation basics. Understanding of OWASP Top 10 web vulnerabilities (SQLi, XSS, CSRF, Broken Authentication, File Upload flaws). Aware of network attacks such as Wi-Fi hacking, MITM, DNS spoofing, ARP poisoning and packet sniffing. Basic experience in Linux/Windows hardening, malware and ransomware awareness. Familiar with advanced concepts like social engineering, password cracking, privilege escalation and Metasploit usage. Defensive side exposure to incident response, SIEM tools, IDS/IPS, endpoint security, along with cloud and container security, IAM policies, misconfiguration risks and Zero Trust model.

Programming & Scripting

- Bash Scripting
- C & Python Programming (Automation & Tool Development).

Virtualization & Tools:

- VMware, VirtualBox, MobaXterm, PuTTY, VSCode, MS Office, Ansible

Professional Experience:

Estate Manager (Administration with IT Support Exposure)
Metropolitan School | March 2015 – Present | Gorakhpur (UP)

➢ Managed overall estate operations including facility maintenance, vendor coordination, and administrative documentation.
➢ Provided basic IT support including computer lab maintenance, printer setups, LAN/Wi-Fi troubleshooting, and system checks.
➢ Performed routine tasks on a Linux-based local server (CentOS) such as taking backups, installing updates, and managing user accounts.
➢ Troubleshot basic hardware and networking issues in coordination with external IT support vendors.
➢ Developed a growing interest in Linux and IT systems during the role; started self-learning through YouTube, virtual labs, and real-world practice with the goal of pursuing a professional career in **Linux/IT Infrastructure**.

Education:

Secondary School Certificate (SSC in Science)
Govt. Jubilee Inter College, Gorakhpur **|** 2002 – 2003 **|** 59.67% **|** Regular Mode **|** Hindi Medium
Higher Secondary Certificate (HSC in Science)
Govt. Jubilee Inter College, Gorakhpur **|** 2004 – 2005 **|** 61.6% **|** Regular Mode **|** Hindi Medium
Bachelor of Science (BSc in Information Technology)
Kuvempu University, Karnataka **|** 2005 – 2008 **|** Grade-A (75% or above) **|** Distance Mode **|** English Medium
GNIIT (Software Engineering)
NIIT, New Delhi **|** 2009 – 2012 **|** Grade -A (80% or above) **|** Regular Mode **|** English Medium

Projects & Lab Work:

➢ Configured and deployed Linux services (Apache, Nginx, FTP, SSH, Samba, NFS, DNS, DHCP).
➢ Performed complete LVM, RAID, Stratis, VDO setup with disk partitioning, mounting, quota, and encryption.
➢ Automated tasks using **Bash/Python/C/Ansible.**
➢ Hosted static and WordPress website on GitHub, AWS S3.
➢ Automated user management, scheduled backups, and service tasks using Bash scripting/Crontab.
➢ Deployed Docker/Podman containers for application hosting.
➢ Built CI/CD pipelines with **GitHub action tool**.
➢ Managed server-level troubleshooting, package installation, and system updates via YUM/DNF.
➢ Developed multiple system-level programs in C and Python to deepen understanding of operating system internals, automation, and security concepts, and published them on GitHub for open-source contribution.
➢ Performed basic cybersecurity tasks such as system hardening, user auditing, log monitoring, firewall configuration, and vulnerability scanning on Linux servers. Performed scanning using Nmap and Nessus, exploited test vulnerabilities in Metasploitable VM.

Languages:

➢ Hindi (Native) **|** English (Professional)

Personal Details:

➢ **Father's Name –** Late Mr. Onkar Tripathi
➢ **Mother's Name –** Mrs. Nisha Tripathi
➢ **Date of Birth –** July 05, 1988
➢ **Marital Status –** Married
➢ **Gender –** Male
➢ **Address –** House No – EWS-E/6 Rapti Nagar Phase – 4, Gorakhpur (UP), India

Declaration

I hereby declare that all information furnished above is accurate to the best of my knowledge.

Date:

Place: **Jyotiswaroop Tripathi**