



Jyotiswaroop Tripathi

Linux & Automation Specialist with strong expertise in system configuration, networking, server security, and scripting using Python and Bash. Experienced in managing Linux-based infrastructures, containerized environments (Podman/Docker), and automation workflows with Ansible, with working exposure to DevOps tools like Kubernetes, Jenkins, Terraform, AWS, Prometheus, and Grafana. After starting my career in school administration, I self-learned Linux and Python through personal labs and practice, building deep hands-on knowledge while gradually transitioning into IT. Now, I am seeking opportunities as a Linux System Administrator or Automation Engineer to apply my expertise in building secure, efficient, and automated systems.

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LinkedIn - <https://www.linkedin.com/in/jyoti-swaroop-mani-tripathi-741980379/>

GitHub - <https://github.com/jyotiswaroop20>

Portfolio - <https://jyotiswaroop20.github.io/shandilya-portfolio-website/>

Career Objective –

Seeking an entry-level position as a **Linux System Administrator** or **Automation Engineer**, with a strong focus on Linux administration, system configuration, and automation using Python and Bash. Experienced in managing Linux-based infrastructures, containerized environments (Podman/Docker), and version control with Git. Skilled in system hardening, performance optimization, and automation workflows using Ansible, with working exposure to DevOps tools such as Kubernetes, Jenkins, Terraform, AWS, Prometheus, and Grafana. A self-taught professional who transitioned from a non-IT background into core IT, eager to contribute to building efficient, secure, and automated systems while growing technical expertise.

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
- **Linux Client OS:** Linux Mint (21.3 Virginia – Mate, 22.1 Xia – Cinnamon)
- **Windows Client OS:** XP / 7 / 8 / 10 / 11

Linux System Administration Expertise:

- **Core Linux Administration:** User/Group management, File permissions & ACLs, Cron jobs, Process/Service handling, Logging, Auditing, SELinux, Patching, Backup scheduling, GRUB2, Systemd, Shell scripting.
- **Storage Management:** LVM, RAID, Stratis, VDO, Disk partitioning & formatting (ext4, XFS), Mounting, Swap, Quotas, LUKS encryption.
- **Networking & Services:** Apache web hosting, FTP/SSH, Samba/NFS, DHCP/DNS, MySQL, Postfix, NTP, Firewall management.
- **Containerization & Version Control:** Docker, Podman, Git/GitHub; basic working knowledge of Kubernetes, Jenkins, Terraform, AWS, Prometheus, Grafana.

Programming & Automation:

- **Python Programming:** Primary focus for automation, scripting, and tool development
- **Bash Scripting:** Secondary scripting for routine automation and Linux task management

Virtualization & Tools:

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

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 while gradually integrating IT responsibilities.
- Provided basic IT support including computer lab maintenance, printer setups, LAN/Wi-Fi troubleshooting, and system health checks.
- Performed routine tasks on a Linux-based local server (CentOS) such as taking backups, installing updates, and managing user accounts, developing hands-on Linux skills.
- Troubleshoot basic hardware and networking issues in coordination with external IT support vendors, building foundational IT problem-solving experience.
- Actively pursued self-learning in Linux, Python scripting, and IT infrastructure through YouTube tutorials, virtual labs, and practical experimentation, preparing for a dedicated career in Linux System Administration and Automation Engineering.

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

GNIT (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, and VDO setup with disk partitioning, mounting, quota, and encryption.
- Automated tasks using **Bash and Python**.
- Hosted a static website on GitHub.
- Automated user management, scheduled backups, and service tasks using Bash scripting/Crontab.
- Deployed Podman containers for application hosting.
- Built CI/CD pipelines with **GitHub Actions**; basic working exposure to **Kubernetes, Jenkins, Terraform, AWS, Prometheus, and Grafana**
- Managed server-level troubleshooting, package installation, and system updates via YUM/DNF
- Developed multiple system-level programs in Python to enhance understanding of operating system internals, automation, and infrastructure management, and published them on GitHub for open-source contribution

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