



# 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 & C for automation and tool development, with a strong interest in cybersecurity and open-source contributions.

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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 –

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

### Core System Administration:

User & Group Management, File Permissions & ACLs, Cron Jobs, Process & Service Handling, Logging & Auditing, SSH & DNS Setup, System Troubleshooting, SELinux (Permissive/Enforcing), Patching/Updates (YUM/DNF), Backup Scheduling, Package Management (RPM/YUM/DNF), GRUB2 Bootloader, systemd Services, Runlevels (targets), System Health Monitoring, Shell Scripting.

### Storage Management:

LVM (creation, extension, snapshots), RAID (0, 1, 5, 10 setup), Stratis & VDO configuration, Disk Partitioning & Formatting (ext4, XFS), Mounting/Unmounting, Swap Management, Disk Quota (user/group/project), LUKS Encryption.

### Networking & Services:

Apache (Web Hosting), FTP & SSH Configuration, Samba & NFS File Sharing, DHCP & DNS Setup, MySQL Server Installation & Configuration, Postfix Mail Server, NTP Time Synchronization, Firewall Management with FirewallD.

### Cloud & Containerization:

AWS (EC2, S3, IAM, VPC, EFS, EBS, Solution Architecture Basics), Docker & Podman (Containerization & Image Management), Git/GitHub/GitLab (Version Control).

### Programming, Scripting & Security

- Bash Scripting
- C & Python Programming (Automation & Tool Development).
- Basic Cybersecurity & Linux Hardening.

### 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.
- 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.
- Troubleshoot 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

### 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, VDO setup with disk partitioning, mounting, quota, and encryption.
- Automated tasks using **Bash/Python/C**.
- 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.

## 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