



# Jyotiswaroop Tripathi

Linux & Server Administrator with strong expertise in **system configuration, networking, and security**. Skilled in managing and securing server infrastructures with **Git, Docker, and Podman**. Proficient in **Python, Bash, Ansible, and C** for automation, scripting, and tool development. Well-versed in **cybersecurity practices, system hardening, and vulnerability management**, with a keen interest in contributing to the **cybersecurity and open-source ecosystem**.

**Mobile** - +91-7607588255

**E-Mail Id** – [Jyotiswaroop.niit1@gmail.com](mailto:Jyotiswaroop.niit1@gmail.com)

**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 Linux System Administrator or Junior Cyber Security Engineer** role to utilize my skills in **Linux administration, server management, containerization (Docker/Podman), automation (Python, C, Bash, Ansible), Git, and cybersecurity practices**, contributing to a **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 System Administration Expertise:**

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. Experienced in **Containerization and Version Control** with Docker, Podman, and Git/GitHub/GitLab.

### Cyber Security Expertise:

Hands-on exposure to **Kali Linux, Nmap, Wireshark, Burp Suite, Proxycchains, 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. Familiar with advanced concepts like **social engineering, password cracking, privilege escalation, and Metasploit usage**. Defensive experience includes **incident response, SIEM tools, IDS/IPS, endpoint security, 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.
- 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/Ansible**.
- Hosted static website on GitHub.
- 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