

[Mamatha K]

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📍 [Mysore, Karnataka]

Professional Summary

Detail-oriented and performance-driven **Linux DevOps Engineer** with **12+ years** (7 years) and **Infrastructure Support Enablement Engineering** (5 years). Proven success managing Linux-based environments, automating compliance frameworks, enabling AI/ML infrastructure, and driving site-wide automation using scripting, dashboards, and DevOps tooling. Ready to contribute to NVIDIA's mission of high-performance, AI-driven computing.

Core Competencies

- **Linux Systems:** SUSE, Ubuntu, RHEL
- **DevOps & Automation:** Jenkins, GitLab CI, Cfengine, Ansible
- **Cloud Platforms:** AWS
- **Containerization:** Docker, Kubernetes
- **Scripting & Dashboarding:** Bash, Python, Perl, HTML, PHP
- **Monitoring & Logging:** Prometheus, Grafana, Kibana, ELK
- **Security & Compliance:** IAM, OS hardening, AGS, SUDOERS, IEM
- **Infrastructure Tools:** Netbatch, ION, NIS, VAS
- **GenAI/ML Enablement:** Compute environment setup and monitoring
- **Version Control:** Git, GitHub, GitLab

🌱 Professional Experience

1. Compute Administrator – Linux System Engineer (India Site Lead)

Intel Corporation, Mysore, Karnataka

2013 – 2020 (7 years)

- Managed enterprise Linux compute infrastructure (SUSE Linux) for Intel's India site, including core services like **NIS, Cfengine, VAS, AGS, IEM, ION, Kerberos, and Netbatch**.
 - Led site-wide **shutdown operations** from compute end for 5 years with **zero major incidents (MI)**.
 - Key member of the **Global Directory Services (XDS)** team, handling identity management, UID/GID rationalization, and access provisioning.
 - Built a compliance automation dashboard in **Perl** to manage ~100,000 users and ~20,000 groups, improving governance and visibility.
 - Automated system configuration management via **Cfengine**, achieving >98% compliance.
 - Created a **Perl-based self-help portal** for end users to resolve system access and performance issues, reducing IT support wait time significantly.
 - Standardized and cleaned up **SUDOERS** across infrastructure, improving system access controls.
 - Enabled dashboarding in **Grafana** and **Kibana** for real-time compliance visualization and alerting.
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2. Infrastructure Support Enablement Engineer – Data Center Business Group

Intel Corporation, Mysore, Karnataka

2020 – 2025 (5 years)

- Supported critical business-specific infrastructure services: **Compute, ION, Netbatch, Storage, ODC, ICMS, and Accounts**.
- Created **automated dashboards** using **Python, Perl, and Tabulator** to centralize reporting and monitoring across multiple environments.
- Developed an **Access & Cleanup Portal** using **HTML, PHP, and Perl**, automating user access validation, resource usage tracking, and cleanup—significantly reducing manual effort.
- Collaborated with various business units to support and decommission ODC environments for ML, GenAI, and compute projects.

- Helped enable AI/ML infrastructure by building self-service automation scripts and provisioning tools for internal users.
- Delivered custom visualizations and environment overviews to stakeholders, improving project status tracking and resource planning.

Education

Postgraduate Program – Artificial Intelligence & Machine Learning (*Ongoing*)

UpGrad | 2024 – 2025

Bachelor of Science in Computer Science

National Institute of Engineering, Mysore | 2008 – 2012

Projects & Contributions

- **UID/GID Compliance Dashboard** – Automated global compliance framework using Perl; presented to Intel engineering leadership.
- **Self-Help Portal** – Empowered users to troubleshoot their own issues; reduced ticket volume by 40%.
- **Access Governance Migration (IEM → AGS)** – Defined rules and frameworks; participated in successful pilot launch.
- **One-Click Dashboard for Infra Monitoring** – Project specific dashboard for end-users.

Tools & Technologies

Linux (SUSE, Ubuntu) | Python | Perl | Bash | Git | Jenkins | Cfengine | Kubernetes | Docker | AWS | Grafana | Prometheus | ELK Stack | HTML/CSS | PHP | Tabulator