VIKAS MATH

Site Reliability Engineer I | Cloud Operations | AWS | Linux | Observability
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SUMMARY

AI & ML engineering student (B.E., 2027) and current Cloud Operations Intern at Barracuda Networks, focused on operational automation with AWX/Ansible alongside incident monitoring and alert triage using PagerDuty, Grafana, Prometheus and Jira. Hands-on with AWS (VPC, EC2, IAM), Linux administration, Python and Bash scripting, cloud cost optimization with Flexera, and Terraform fundamentals. Grounded in SRE fundamentals: automation to reduce manual effort, observability, and verified recovery. Seeking a Site Reliability Engineer I role to contribute to system resilience and reliability.

TECHNICAL SKILLS

Automation & IaC: AWX/Ansible (primary), Terraform (fundamentals), Python, Bash/Shell, n8n, REST API fundamentals

Cloud & Infrastructure: AWS (EC2, VPC, IAM, Security Groups, subnets, route tables, Internet Gateway)

Cloud Cost Optimization: Flexera (cost optimization and cloud spend visibility)

Observability & Monitoring: Grafana (dashboards, alerting), Prometheus, log analysis (syslog, journalctl), alert triage

Incident Management: PagerDuty, Jira, incident workflows, escalation, recovery verification

Linux & Networking: Linux, SSH, systemctl, TCP/IP, DNS, HTTP/HTTPS, Nginx

Version Control: Git, GitHub

Containers & Orchestration: Docker, Kubernetes

EXPERIENCE

Cloud Operations Intern | Barracuda Networks, Bengaluru, India *Sep 2026 – Present*

- Building AWX/Ansible automation for repeatable operational tasks, with controlled playbook execution triggered from alert workflows via PagerDuty and n8n, plus recovery verification and escalation when a fix does not hold.
- Monitor and triage alerts and incidents using PagerDuty, Grafana dashboards and Prometheus, following team incident workflows and tracking work in Jira.
- Key learnings: resolve an incident only after recovery is verified; keep remediation controlled, repeatable and auditable; rich alert context shortens triage; automation should escalate to an engineer when outcomes are uncertain.

AI/ML Developer Intern | AB Infotech Solutions Pvt. Ltd. (Remote) *Aug 2024 – Dec 2024*

- Deployed Python applications behind Flask REST API endpoints with request routing and input validation.
- Configured runtime environments and diagnosed deployment failures using logs and stack traces.
- Used Git and GitHub for version control, branching and technical documentation.

PROJECTS

AWS Infrastructure Setup – Custom VPC, EC2 and IAM *AWS*

- Built a custom VPC with public subnet, route table, Internet Gateway and Security Groups; created IAM users, groups and least-privilege policies.

EC2 Web Server & Linux Health Monitoring *EC2, Linux, Nginx, SSH, Bash*

- Deployed Nginx on a Linux EC2 instance with key-based SSH and verified HTTP reachability.
- Wrote a Bash health-check script for CPU, memory, disk and uptime; troubleshot service issues using Linux logs and system utilities.

EDUCATION & ACHIEVEMENTS

B.E. – Artificial Intelligence & Machine Learning *Aug 2023 – Aug 2027 (Expected)*

BLDEA's Dr. P. G. Halakatti College of Engineering & Technology, Vijayapura

- IEEE Student Branch Secretary (2024–25)
- AI Hackathon Finalist – Cybersecurity Track