# Sandhya Kumari

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## *DevSecOps Engineer Intern*

## Professional Summary

Aspiring **DevSecOps Engineer** with strong hands-on experience in managing **AWS infrastructure** (EKS, Lambda, RDS) and building robust **CI/CD pipelines**. Proficient in **Terraform** for Infrastructure as Code (IaC) and container orchestration using **Docker & Kubernetes**. Skilled in setting up **monitoring tools** (Prometheus, Grafana, ELK) and integrating **security tools** (SAST/DAST) to ensure compliance. Eager to collaborate with Development and QA teams to automate deployments and troubleshoot infrastructure issues.

## Technical Skills

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| Cloud & Infrastructure | **AWS (EKS, Lambda, RDS)**, **Terraform**, CloudFormation, Azure |
| DevOps & CI/CD | **Jenkins**, **GitLab**, ArgoCD Concepts, Docker, Kubernetes, Pipeline Automation |
| Monitoring & Logging | **Prometheus**, **Grafana**, **ELK Stack** (Elasticsearch, Logstash, Kibana) |
| Security & Scripting | **SAST/DAST**, Security Audits, **Python**, **Bash**, JavaScript |
| Core Competencies | Troubleshooting, Automation, Compliance, Infrastructure as Code (IaC) |

## Technical Experience

**07/2025–Present** — **DevSecOps Intern**, *DevOps Quest*, Infrastructure Automation
- **AWS Infrastructure:** Managed and provisioned cloud infrastructure using **Terraform**, deploying microservices on **AWS EKS** and managing databases via **RDS**.
- **CI/CD Pipelines:** Built and maintained automated **CI/CD pipelines** using **Jenkins**, integrating automated testing and security checks to streamline delivery.
- **Monitoring & Alerts:** Set up real-time monitoring and alerts using **Prometheus and Grafana**, proactively identifying and troubleshooting infrastructure and pipeline issues.
- **Security Integration:** Integrated **SAST/DAST** tools into the build process, supporting security audits and ensuring compliance with industry standards.

**07/2024–12/2024** — **Software Developer**, *FOODISTA*, Backend & Deployment
- **Automated Deployments:** Automating backend deployments using **Docker** and **Bash scripting**, reducing manual intervention and deployment time by 40%.
- **Serverless Concepts:** Utilized serverless concepts (similar to **AWS Lambda**) for handling peak loads during high-traffic ordering periods.
- **Collaboration:** Collaborated closely with **QA and Product teams** to resolve environment issues and ensure stable releases for 1,000+ users.
- **Database Management:** Managed database interactions and migrations, ensuring data integrity and optimizing performance for high-availability requirements.

## Education

**2022–2026** — **B.E. Computer Science (Specialization in DevOps)**, *Chandigarh University*, Punjab
*CGPA: 7.65*
Relevant Coursework: Cloud Computing (AWS), Network Security, DevOps Automation, Python Scripting.

**2022** — **Intermediate (Class XII)**, *KV AFS High Grounds*, Chandigarh, *82%*

## Academic Research & Projects

**01/2023–03/2023** — **Research Analyst**, *Security Compliance*
- **Security Audits:** Researched methodologies for conducting **security audits** and vulnerability assessments in cloud-native environments.
- **Threat Mitigation:** Analyzed infrastructure risks and implemented strategies for **compliance** and threat mitigation using modern security tools.

## Certifications & Interests

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| Certifications | Oracle Cloud Infrastructure Generative AI Professional, AWS Concepts (Self-Learning) |
| Interests | DevSecOps Automation, Cloud Security, Infrastructure as Code, Kubernetes |