# Amogh Goswami

**DevOps & Cloud Engineer | B.Tech in Information Technology**
**Phone:** +91 7887918348 | **Email:** goswamiamogh@outlook.com
LinkedIn | GitHub | Portfolio

---

## Professional Summary

Detail-oriented DevOps and Cloud Engineer with 10+ months of hands-on experience in automating AWS infrastructure, building scalable CI/CD pipelines, and deploying containerized applications with Docker and Kubernetes. Proven ability to improve deployment speed, system uptime, and collaboration using modern DevOps tools. Ready to deliver secure, cost-efficient cloud solutions in fast-paced environments.

---

## Technical Skills

- **Cloud/DevOps Tools:** AWS (EC2, VPC, S3, IAM, RDS, Lambda, CloudFormation), Docker, Kubernetes (Helm, YAML), Terraform, Jenkins, GitHub Actions, Maven, SonarQube
- **Programming/Scripting:** Python, Bash
- **Monitoring:** Datadog, CloudWatch, SNS
- **OS/Networking:** Linux (Ubuntu, RHEL), Nginx, Apache Tomcat, OSI Model, TCP/IP, Subnetting
- **Databases:** PostgreSQL, MySQL

---

## Key Projects & Achievements

- **Cloud Infrastructure Migration Project**
  *Personal Project | 2025*
    - Planned and executed migration of a web application from on-premise servers to AWS Cloud using EC2, S3, RDS, IAM, and VPC for scalable architecture.
    - Containerized applications with Docker and orchestrated deployment on Kubernetes clusters.
    - Automated infrastructure provisioning using Terraform (IaC), improving reproducibility and reducing manual setup.
    - Implemented secure networking, monitoring (CloudWatch), and IAM permission management.
    - Designed CI/CD pipelines with Jenkins for seamless build, test, and deployment.
    - Documented migration strategy, architecture decisions, and lessons learned for future reference.
- **Automated AWS Infrastructure:** Designed and deployed cloud-native architectures using Terraform (IaC), reducing manual provisioning time by 60%.
- **CI/CD Pipeline Implementation:** Built and optimized Jenkins pipelines integrated with Git/Maven/Docker, cutting deployment time by 40% and increasing release frequency.
- **Container Orchestration:** Containerized legacy apps and migrated to Kubernetes clusters using Helm, improving application scalability and uptime by 30%.
- **Security Access Management:** Implemented least-privilege IAM policies and secure VPC configurations, enhancing cloud security compliance.

---

## Professional Experience

**DevOps Engineer Intern**

Hisanlab Pvt. Ltd. | Jan 2025 – Present

- Provisioned/managed AWS resources: EC2, VPC, S3, IAM, RDS, Lambda, CloudWatch, SNS, ELB, ASG, CloudFormation
- Engineered secure AWS VPC setups with multi-subnet architectures and custom route tables
- Developed and maintained Jenkins-based CI/CD for automated builds, tests, deployments
- Deployed containerized microservices applications on Kubernetes using Helm charts
- Configured Nginx as reverse proxy/load balancer to improve system availability
- Created reusable Terraform modules and managed remote state with locking
- Authored Bash scripts for routine admin, log rotation, and health checks
- Enforced secure IAM policies and monitored resources via Datadog and CloudWatch
- Collaborated with Agile teams on sprint planning, troubleshooting, and documentation
- Automated routine infrastructure maintenance tasks, reducing manual intervention by 20+ hours/month.
- Enhanced system monitoring and alerting, decreasing incident response time by 30%.
- Supported the migration of legacy applications, ensuring zero production downtime and data integrity.
- Optimized resource allocation, resulting in a 15% reduction in monthly cloud expenditure.
- Coordinated cross-functional troubleshooting for CI/CD failures, improving deployment reliability.
- Documented DevOps best practices and created onboarding guides for new team members.

---

## Education

- B.Tech – Information Technology, Dr. Babasaheb Ambedkar Technological University, 2021–2024
- Diploma – Computer Science Engineering, Gramin Polytechnic College, 2016–2021

---

## Certifications

- Data Analytics on AWS – Nov 2023
- The Complete SQL Bootcamp – Nov 2023
- Data Analysis with Python – Apr 2023

---