

# GHANASHYAMA MAHUNTA

## Cloud & DevOps Engineer | Fresher

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### PROFILE SUMMARY

Entry-level Cloud and DevOps Engineer with a BCA degree and AWS Certified Cloud Practitioner credential. Hands-on experience building AWS-based cloud architectures and automating CI/CD pipelines using Jenkins, GitHub, and AWS CodePipeline, with infrastructure provisioning through Terraform. Strong foundation in Linux, containerization with Docker and Kubernetes, and cloud security best practices. Seeking a Cloud or DevOps role to support scalable deployments, infrastructure automation, and reliable application delivery in real-world environments.

### CERTIFICATIONS

[AWS Certified Cloud Practitioner](#)

### TECHNICAL SKILLS & TOOLS

- **AWS Cloud:** EC2, S3, RDS, VPC, IAM, Application Load Balancer, Auto Scaling, SNS
- **Version Control :** Git, GitHub
- **CI/CD & DevOps Tools:** Jenkins, SonarQube, AWS CodePipeline, AWS CodeBuild
- **Containers & Orchestration:** Docker, Kubernetes
- **Infrastructure as Code & Automation:** Terraform (modules, validation, planning, state management), Ansible (Playbooks, Roles, Inventory, Vault)
- **Monitoring & Observability:** Prometheus (Metrics collection), Grafana (dashboard visualization), AWS CloudWatch
- **Operating Systems & Scripting:** Linux, Windows, Bash/Shell scripting, Python
- **Networking:** TCP/IP, DNS, HTTP/HTTPS, VPN basics, Subnetting, Routing, Load Balancers, Firewall

### RELEVANT PROJECTS

#### Automated CI/CD Deployment of a Scalable 3-Tier Application on AWS:

Dec 2025

*Tools: AWS CodePipeline, CodeBuild, CodeDeploy, EC2, ALB, Auto Scaling, RDS MySQL, S3, IAM, VPC, CloudFront, GitHub*

- Designed a CI/CD pipeline integrating GitHub with AWS-managed build and deployment services, enabling automated deployments on each code commit.
- Architected a highly available 3-tier architecture across two Availability Zones using Application Load Balancer, Auto Scaling (2–6 instances), and Multi-AZ RDS MySQL.
- Applied AWS security best practices including VPC public/private subnet separation, IAM roles and security groups following least-privilege access, aligned with the AWS Well-Architected Framework.
- Configured Amazon CloudFront for efficient static content delivery and Amazon S3 for application asset storage.

#### DevSecOps CI/CD Pipeline Using Jenkins:

Jan 2026

*Tools: Jenkins, Docker, Kubernetes, GitHub, AWS EC2, Security Scanning (SonarQube, Trivy, OWASP)*

- Designed and implemented a CI/CD pipeline using Jenkins and GitHub to automate build, test, and deployment workflows, reducing manual deployment effort by ~60%.
- Integrated automated code quality and security checks into Jenkins pipelines using SonarQube, OWASP Dependency-Check, and Trivy to identify issues during early stages of CI/CD.
- Built Docker image build and release workflows targeting a Kubernetes cluster to support secure and scalable application delivery.
- Implemented multi-stage CI/CD workflow to enable automated build, test, and security scanning, improving deployment reliability.

### EDUCATION

Bachelor of Computer Applications (BCA) - CGPA:8.9/10

2022 - 2025

Science College(Autonomous), Hinjilicut — Berhampur University, Odisha

### LANGUAGES

English | Hindi | Odia