

MANOJ G K

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PROFILE SUMMARY

Analytical and detail-oriented MCA student with hands-on experience in **Python development**, **cloud deployment**, and **DevOps practices**. Proficient in designing and deploying user-centric web applications, improving backend performance by up to **30%** through optimized logic and efficient data handling. Experienced in cloud platforms and automation tools, reducing deployment time by **40%** using CI/CD workflows. Strong focus on code quality, achieving **95%+ maintainability** through best practices and version control. Adept at collaborating in team environments, enhancing project delivery efficiency by **25%**. Passionate about continuous learning, systems thinking, and building scalable, high-performance solutions.

EDUCATION

NITTE Meenakshi Institute of Technology, Bangalore

Master of Computer Application (passed out 2026) CGPA: 8.03

TECHNICAL SKILLS

- **Cloud Technologies:** AWS (EC2, S3, IAM, VPC, EKS, CloudWatch, ECR, Route 53)
- **DevOps & CI/CD:** Jenkins, GitHub Actions, ArgoCD, SonarQube, Trivy
- **Infrastructure Automation:** Terraform, Ansible
- **Containers & Orchestration:** Docker, Kubernetes (Deployments, Services, Ingress, StatefulSets)
- **Monitoring & Logging:** Prometheus, Grafana
- **Version Control:** Git, GitHub
- **Programming & Scripting:** Python, Bash
- **Operating Systems:** Linux (Ubuntu, CentOS)

PROFESSIONAL EXPERIENCE

✓ DevOps Engineer Intern

CodTech IT Solutions | Sep 2025 – Mar 2026

Projects : Full-Stack Development: MERN Stack, Python, Java | Application Deployment & Cloud Integration

- Automated build, test, and deployment workflows using Maven, Ansible, and Git, reducing failures by 35% and improving reliability.
- Managed AWS infrastructure (EC2, VPC, EKS, S3), improving resource utilization by 30% and cutting operational costs by 20%.
- Automated infrastructure provisioning via Terraform, ensuring 100% consistent deployments and reducing environment setup time by 70%.
- Optimized CI/CD pipelines using Jenkins and GitHub Actions, reducing deployment time by 40% and doubling release frequency.
- Implemented security scanning via SonarQube and Trivy, reducing vulnerabilities by 50% and improving code quality compliance by 35%.
- Containerized applications with Docker and AWS ECR, optimizing image sizes by 25% and improving deployment efficiency and speed.
- Managed Kubernetes (EKS) via Helm, configuring ConfigMaps and Secrets to ensure 99.9% application uptime and high availability.
- Implemented GitOps using ArgoCD, reducing manual deployment errors by 60% and enabling automated rollouts across cluster environments.
- Configured Prometheus and Grafana monitoring, reducing manual detection by 60% and improving incident response time by 45%.
- Conducted Root Cause Analysis (RCA) for production issues, resolving 90% of incidents within SLA and maintaining uptime.

Project Domain : Banking (Role: DevOps Engineer) [GitHub](#) | [Live Site](#)

- Implemented Jenkins CI/CD pipelines for microservices, improving deployment efficiency by 45% and reducing manual effort by 50%.
- Automated build and deployment workflows using Maven and Ansible, reducing failures by 35% and improving pipeline reliability.
- Orchestrated applications with Docker and EKS, increasing scalability by 50% and achieving 99.9% system availability.
- Provisioned AWS infrastructure via Terraform, optimizing resource utilization and reducing operational costs by 20%.
- Managed configurations with Ansible across servers, reducing configuration drift by 60% and ensuring environment consistency.
- Integrated SonarQube and Nexus, improving code quality by 40% and significantly reducing security vulnerabilities.
- Managed Git repositories with branching strategies, improving team collaboration and development speed by 30–35%.
- Collaborated with Agile teams to resolve production issues, reducing MTTR by 40% and improving delivery timelines.

Soft Skills:

- Problem-solving, teamwork, and communication.
- Time management and attention to detail.
- Critical Thinking.
- Self-Motivation & Curiosity.

CERTIFICATIONS

- AWS Certified Cloud Practitioner – Jan 2025 to Mar 2025 | [Link](#)
- AWS Cloud Quest: Cloud Practitioner (Training Badge) – Amazon Web Services, (Issued: 2026) [Link](#)
- Cisco Certified: Networking Basics – June 2025 | [Link](#)
- AWS AI Practitioner Challenge – Udacity (in collaboration with Accenture), Issued: March 2026 [Link](#)