

# Akhilesh Arvind Choure

akhileshchoure1@gmail.com | +91 7208705982 | Mumbai

[LinkedIn](#) | [GitHub](#) | <https://deployone.cloud/>

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## WORK EXPERIENCE

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Junior Devops Engineer (CMS Info Ltd) | Aug.2022 – Present

- **Designed and Optimized deployment architecture**, enhancing load balancing and failover strategies, which supported a 35% growth in user base.
- Automated backup and recovery processes, ensuring **data integrity** and reducing potential downtime impact by 20%.
- Developed and maintained infrastructure-as-code scripts for **automated provisioning** of cloud resources, improving deployment efficiency.
- Designed and maintained **Terraform modules and Helm charts** to streamline infrastructure provisioning and application deployment, improving rollout speed by 35%.
- Executed root cause analysis for critical cloud operations, enhancing system **reliability**.

## PROJECTS

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Multi-VPC Architecture with Secure Peering, Logging, and Lifecycle Policies (AWS Project)

Jul 2022 – Present

- **Designed and deployed multi-VPC architecture** using Terraform, implementing **secure VPC peering** between **isolated environments**.
- Integrated centralized **logging using CloudWatch** and **VPC flow logs**, enabling **traceable network audits**.
- **Automated S3 lifecycle policies** to move data from **S3 Standard** to **Glacier Deep Archive**, reducing **storage costs by 60%**.
- **Implemented Route 53 private hosted zones** to route traffic securely across **peered VPCs**.

End-to-End CI/CD Pipeline with GitHub Actions, Docker & EKS

Jul 2022 – Present

- Built a **containerized microservice app** using **Docker** and deployed it on **Amazon EKS**.
- Implemented **GitHub Actions** for **multi-stage CI/CD pipeline**, automating **test, build, and deployment** steps.
- Integrated **SonarQube** and **Trivy** into the **pipeline** for **static code analysis** and **container vulnerability scanning**.
- Achieved **zero-downtime deployments** using **Kubernetes rolling updates** and **readiness probes**.

## EDUCATION

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Prepared and Appeared for UPSC, MPSC, SEBI | 2016-2020  
and various government exams

Savitri Bai Phule University, Pune | Graduation October 2015

B.E Mechanical Degree -- 58%

## CERTIFICATIONS & SKILLS

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- **Certifications:** Cloud Practitioner, Cloud Solutions Architect, DevOps on AWS certifications from COURSERA
- **Technical Skills:** Linux, Bash, Python, Ansible, Terraform, AWS, Jenkins, GitHub Actions, Docker, Kubernetes, Github Actions, Prometheus, Grafana, Git & GitHub.