




# KUNAL PARKHADE

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## OBJECTIVE

Aspiring DevOps Engineer with 6 months of hands-on internship experience in AWS Cloud, CI/CD automation, cloud security, monitoring, and cost optimization. Skilled in deploying scalable solutions, improving infrastructure security, and automating operations using AWS-native services and DevOps practices.

## TECHNICAL SKILLS

**Cloud Platforms:** AWS (EC2 (SSH with Bitvise), VPC, Lambda, IAM, App Runner, Amplify, CloudFormation, GuardDuty, CloudWatch, S3, OpenSearch, Glue, Athena, Cognito, Secrets Manager)

**DevOps Tools:** Terraform, GitHub Actions, Docker, CI/CD, EventBridge

**Programming/Scripting:** Python (Boto3), SQL, Bash

**Core Areas:** Automation, Monitoring, Cost Optimization (FinOps), Infrastructure Security, Container Orchestration, Observability

## EDUCATION

### Yeshwantrao Chavan College of Engineering

Bachelor of Technology in Computer Science & Engineering - 8.66 CGPA

Dec 2021 – June 2025

Nagpur, Maharashtra

### Keshav Nagar Jr. Science College

XI-XII - 90.5%

Aug 2019 – Aug 2021

Nagpur, Maharashtra

## EXPERIENCE

### Hub9

March 2025 – September 2025

AI Researcher Intern

Remote

- Infrastructure as Code with Terraform – Created and modified Terraform configuration files to provision and manage AWS resources (EC2, VPC, ECR, Cognito, S3, IAM, etc.), reducing manual setup effort and ensuring reproducible environments.
- Cost Optimization Automation – Automated AWS billing alerts using Lambda, EventBridge, and Slack; improved cost visibility and reduced monthly cloud spend by 15%.
- CI/CD Security Enhancement – Migrated pipelines from static AWS keys to OIDC-based GitHub Actions; eliminated key rotation and improved compliance.
- Container Deployment – Deployed Dockerized applications on AWS App Runner, enabling scalable and serverless container orchestration.

## PROJECTS

### VPN with IAM Identity Center

- Faced the need to provide secure and scalable remote access for distributed teams.
- Configured AWS Client VPN Endpoint and integrated it with IAM Identity Center for centralized authentication.
- Reduced credential management overhead and improved compliance by ensuring role-based, secure access control.

### Security Event Automation

- Identified a lack of real-time visibility into AWS security events, leading to delayed responses.
- Built a serverless alerting pipeline using Lambda + EventBridge, pushing notifications directly to Slack channels.
- Achieved a 70% faster detection rate, strengthening security posture and reducing incident response times.

### Monitoring & Observability

- Teams struggled with slow troubleshooting; configured CloudWatch and OpenSearch dashboards for monitoring.
- Improved log analysis efficiency, reducing mean time to resolution (MTTR) significantly.

### S3 Log Analysis with Glue & Athena

- Challenge of analyzing unstructured logs; automated schema inference using AWS Glue and query setup in Athena.
- Enabled faster root-cause identification and operational insights from S3 logs.

## CERTIFICATIONS

AWS Cloud Practitioner Essentials | AWS Training and Certification | URL

March 2025

Data Engineering on AWS | AWS Training and Certification | URL

March 2025

AWS Educate Getting Started with Security | AWS Training and Certification | URL

September 2025