

AAKASH KUMAR

As an enthusiastic candidate, I am looking for **DevOps Engineer** and **AWS Cloud Engineer** role. I excel in both collaborative team settings and as an independent contributor, possessing a strong drive for **innovation, problem-solving**, and experience in **automation** and **troubleshooting**.

PROJECTS

Cloud Cost Optimization — AWS

Implemented Lambda function that fetches all EBS snapshots owned by the same account ('self') and also retrieves a list of active EC2 instances (running and stopped). For each snapshot, it checks if the associated volume (if exists) is not associated with any active instance. If it finds a stale snapshot, it deletes it, effectively optimizing storage costs

End to End CI/CD Deployment — EKS

Implemented a CI/CD pipeline using AWS EKS, GitHub Actions, Docker, Helm, ArgoCD, and Kubernetes. It automates building, testing, and deploying applications. Code pushed to GitHub triggers GitHub Actions to build a Docker image, run tests, and push the image to a DockerHub. Helm then deploys the application to an AWS EKS cluster. ArgoCD ensures continuous delivery by syncing changes from GitHub to EKS.

AWS VPC with ALB and EC2 Setup — Terraform

This Terraform project sets up an AWS infrastructure with a VPC, two subnets, an Internet Gateway, a route table, a security group, an S3 bucket, two EC2 instances, and an Application Load Balancer (ALB) with a target group and listener, ensuring high availability and scalability.

EXPERIENCE

Data and ML Intern Sep 2023 – Oct 2023 (Remote)

YBI foundation

Explored and evaluated Python modules for data analysis and machine learning, leveraging NumPy, Pandas, Matplotlib, and Scikit-learn for data manipulation, visualization, and model development.

XPMC Feb 2024 – June 2024 (Remote)

Cybersecurity Program
Employabilitylife

Studied advanced malware analysis techniques and methodologies. Analyzed real-world malware samples to identify behavior and characteristics. Practiced using industry-standard tools for threat detection and mitigation. Collaborated with peers on simulated cyber incidents and response strategies. Completed training modules on malware forensics and incident handling.

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SKILLS

AWS, GCP

Containerization – Docker

Orchestration – Kubernetes

Infrastructure as Code – Terraform

Configuration Management – Ansible

CI/CD – Jenkins, Github Actions, ArgoCD

Scripting – Bash

Linux - Ubuntu

Version Control System - Git, GitHub

Programming Language - Java, Python, C/C++

EDUCATION

B. Tech CSE, MDU Rohtak, **68 %** 2021 – 2025

Class 12th CBSE **94%**

2019 – 2020

ACHIEVEMENTS

GeeksforGeeks Cloud Boot camp –
Attended and successfully completed the Boot camp with GCP platform.

Google Cloud Arcade Program –
Enrolled in Google cloud Arcade Program, Attained 20+ skill badges and swags.

Hackerrank –
Hackerrank five star badges
in Java, C/C++, python.

LANGUAGES

English and Hindi