

# SHIVA KUMAR M V

Aspiring Cloud Engineer

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## OBJECTIVE

Passionate and excited to gain more knowledge in every sphere of life and strive towards excellence to achieve organization goals as well as progress in my career. Seeking an opportunity as a Cloud or DevOps Engineer with an established company that is looking for someone who is passionate about technology and has strong communication skills.

## TECHNICAL SKILLS

AWS	Linux	Git
Jenkins	Docker	Kubernetes
Ansible	Terraform	Shell Scripting (Basic)
Sql	Python	

## PROJECTS

### CI/CD Pipeline for Containerized Applications Using Jenkins and Argo CD

- Tools Used: AWS, Git, Jenkins, maven, Sonarqube, Docker, Kubernetes, Argocd
- Description:
  - Designed and implemented a fully automated CI/CD pipeline for deploying containerized applications to a Kubernetes cluster. The pipeline was triggered whenever there was a commit in the version control system.
  - Jenkins automated the build process using Maven and performed static code analysis using SonarQube.
  - Built Docker images of the application and pushed them to Docker Hub.
  - Integrated Shell scripting to update Kubernetes manifests with the new Docker image.
  - Argo CD pulled the updated manifests and deployed the new application version to the Kubernetes cluster.

## AWS Cost Optimization

- Description:
- Developed an automated solution using AWS Lambda and Boto3 to manage and clean up unused Amazon EBS snapshots.
- Implemented a Python script that retrieves all EBS snapshots and compares them with active EC2 instances to ensure snapshots are only kept if they are attached to volumes linked to running instances.
- Optimized cloud infrastructure costs by reducing manual intervention in snapshot lifecycle management and automating storage optimization.

## EDUCATION

<b>BACHELOR OF ENGINEERING</b>	<b>2020 - 2024</b>
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- Computer Science and Engineering - Dr Mahalingam College of Engineering and Technology , Pollachi | CGPA - 8.5

<b>HSC</b>	<b>2019</b>
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- Seventh Day Adventist Matric Hr Secondary School , Hosur | 74%

<b>SSLC</b>	<b>2017</b>
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- Seventh Day Adventist Matric Hr Secondary School , Hosur | 88%

## SOFT SKILLS

- Empathic listener
- Adaptability
- Communication

## CERTIFICATIONS

- Completed Online certification on “Cloud Computing” offered by NPTEL.
- Completed Online certification on AWS Cloud Quest - Cloud Practitioner offered by AWS

## LANGUAGES

English	Kannada	Tamil	Telugu
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