

# VENKATESH VAKAMUDULA

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🌐 [LinkedIn](#) | 🐙 [Github](#) | 📁 [Portfolio](#)

## OBJECTIVE

Motivated and detail-oriented DevOps enthusiast with a passion for automating workflows, optimizing CI/CD pipelines, and managing secure, scalable infrastructure. Seeking an opportunity to contribute to innovative projects and drive operational excellence through reliable and efficient cloud-native solutions.

## TECHNICAL SKILLS

Cloud Platforms	: Amazon Web Services
Operating Systems	: Linux (Ubuntu, CentOS)
Infrastructure as Code	: Terraform
Configuration Management	: Ansible
Version Control Systems	: Git, GitHub
Containerization	: Docker
Container Orchestration	: Kubernetes (Amazon EKS)
CI/CD Tools	: Jenkins, GitHub Actions

## PROJECTS

### End-to-End DevOps Automation for AI Chatbot on AWS 🔗 [\(GitHub\)](#)

- Automated full **CI/CD** pipeline using **Jenkins**, integrated with GitHub Webhooks for real-time deployments.
- Provisioned complete **AWS** infrastructure via **Terraform**, including VPC, EC2, EKS, and IAM roles.
- Containerized a Django application using **Docker** and deployed to **Amazon EKS** with rolling updates via **kubectl**, ensuring zero-downtime releases.
- Used **Ansible** to configure EC2 instances (Jenkins, Docker, kubectl) for environment consistency.
- Delivered a **secure**, **scalable**, and fully automated AI chatbot deployment on AWS.

### AWS Cloud Resume Challenge 🔗 [\(GitHub\)](#)

- Deployed a cloud-native resume website on **AWS S3**, served globally via **CloudFront** with SSL.
- Built a serverless backend using **Lambda (Python)**, **API Gateway**, and **DynamoDB** for visitor tracking.
- Automated infrastructure provisioning using **Terraform** and set up **CI/CD** with **GitHub Actions**.
- Integrated a custom domain via GoDaddy, with secure DNS and HTTPS, and implemented least-privilege **IAM** roles.

### Portfolio Automation 🔗 [\(GitHub\)](#)

- Built and deployed a containerized full-stack portfolio site using **React** and **Node.js**.
- Used **Docker** and **GitHub Actions** for **CI/CD**, and **Terraform** for **AWS EC2** provisioning.
- Configured an **NGINX** reverse proxy with HTTPS via Let's Encrypt for secure access.

## CERTIFICATIONS

- [AWS Cloud Practitioner](#)
- [Terraform Associate 003](#)
- [Udemy Course Completions](#)

## EDUCATION

<b>Bharath University, Chennai</b>	<b>2019 – 2023</b>
<i>B.Tech - Electronics and Communication Engineering - CGPA - 8.6</i>	
<b>Sri Chaitanya Junior College, Visakhapatnam</b>	<b>2017 – 2019</b>
<i>Intermediate - MPC - CGPA - 9.7</i>	

## LANGUAGES

English | Hindi | Telugu