

SAKTHIRAM V

Aspiring DevOps Engineer

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Career Objective

Aspiring DevOps Engineer with foundational knowledge in Linux, cloud platforms, and automation tools like Git and Docker. Eager to apply skills in real-world environments and grow within a dynamic tech team.

Education

M.Sc. Software Systems, Sri Krishna Arts and Science College (2021 – 2026) | CGPA: 8.0

HSC (+2), Vivekanda Vidyalaya Matric Higher Secondary School (2019 – 2021)

SSLC, Vivekanda Vidyalaya Matric Higher Secondary School (2018 – 2019)

Work Experience

Intern – Cognifyz Technologies, Nagpur (Mar 2025 – Apr 2025)

Projects

Driver Drowsiness Detection System

- Built a real-time application using Python, OpenCV, MediaPipe, and Winsound for audio alerts.
- Detects driver fatigue by monitoring eye closure and yawning patterns.

Static Website Hosting on AWS

- Hosted a static webpage using AWS S3/EC2
- Configured bucket policies and Nginx for secure public access.

Portfolio Deployment using GitHub, Docker & AWS EC2

- Containerized personal portfolio with Docker and hosted via GitHub repository.
- Connected Dockerized app to EC2 instance and launched successfully in web browser.

AWS Object Detection System using Rekognition, Lambda & API Gateway

- Developed a serverless image detection workflow using Rekognition, Lambda, API Gateway, and S3.
- Built a simple web UI to upload images and display detected objects in real time.

Image Compression App

- Developed a Dockerized Flask app for image compression with S3 integration.
- Deployed on AWS EC2 with auto-start and public web access.

Certifications

AWS Certified Cloud Practitioner – GeeksforGeeks

DevOps Beginner to Advanced – Udemy

Python Full Course – GeeksforGeeks

Java & Python – IIT Spoken Tutorial

Key Technical Skills

Cloud: AWS (EC2, S3, IAM, VPC, Subnet, CloudWatcher, Lambda ,Load Balancer, Autoscaling Groups)

Programming & Scripting: Python (pandas, NumPy, TensorFlow, Keras), Bash

Version Control: Git, GitHub, Docker Desktop

Databases & ETL: SQL (SELECT, JOIN, GROUP BY), CSV handling, data cleaning

Networking: IPv4 addressing, subnetting, VPC configuration, Load Balancing

OS & Tools: Linux (CLI, shell scripting), VS Code

Achievements

3rd Prize – Logo Designing in TechnoFest

Presented: 'Stress Analysis using ML' – Sri Ramakrishna Arts and Science College

Languages

Tamil, English, Hindi

Hobbies

Music, Playing