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Summary

Passionate Cloud and DevOps enthusiast pursuing MCA at LEAD College, Palakkad. Skilled in AWS, Docker, Kubernetes, and Terraform with hands-on experience in CI/CD automation.

Education

Master of Computer Application

LEAD College (Autonomous)
Palakkad

Bachelor of Computer Application

Mar Gregorios College Punnapra

Technical Skills

AWS, Docker, Kubernetes, Terraform, Jenkins, Git & GitHub, Linux Administration, CI/CD Pipelines, Shell Scripting / Bash, Oracle Cloud Infrastructure (OCI), Python

Soft Skills

Collaboration, Problem-solving, Communication, Time management, Result-oriented

Languages

English, Malayalam

Certifications

- Oracle Cloud Infrastructure 2025 Certified Foundations Associate
- Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate

Projects

Flask + Redis Kubernetes Orchestration Project

Deployed a Flask-Redis app on Kubernetes for scalable orchestration. Showed real-time counter updates managed by Redis backend.

- Created Docker images and Kubernetes manifests.
- Exposed app via NodePort (30007).
- Defined Deployments and Services for Flask and Redis.
- Demonstrated Kubernetes deployment and service management.

Express + MongoDB App (Dockerized)

A simple Express.js web app connected to MongoDB, containerized with Docker Compose. Demonstrates backend container linking, service orchestration, and lightweight deployment.

- Built Express server and connected it to MongoDB via Mongoose.
- Used Dockerfile and docker-compose.yml for multi-container setup.
- Exposed app on port 3000, database on 27017.
- Showcases containerized full-stack setup using Node.js and MongoDB.

Dockerized Flask App

Built and containerized a simple Flask web app using Docker for lightweight deployment. Showcased basic image creation, dependency management, and local testing.

- Created Flask app with Python 3.10 base image.
- Installed dependencies via requirements.txt.
- Exposed app on port 5000 using docker run.
- Demonstrated Docker image build and containerization skills.

KodeKloud Practical Labs (Cloud & DevOps)

Completed multiple guided cloud and DevOps labs focused on real-world deployment, automation, and orchestration tasks. Demonstrated hands-on experience with cloud environments and container tools.

- Practiced deploying and managing apps on AWS, Docker, and Kubernetes.
- Built and automated infrastructure using Terraform and CI/CD pipelines.
- Explored Linux administration, networking, and shell scripting in DevOps workflows.
- Strengthened practical understanding of cloud provisioning and container orchestration.