

# Thokala Kumar Reddy

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## Objective

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Motivated and detail-oriented DevOps Engineer passionate about automation, cloud infrastructure, and scalable deployments. Skilled in Docker, Kubernetes, Terraform, AWS and with strong Python scripting knowledge. Passionate about developing efficient, scalable applications that drive impactful software solutions

## Education

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**Sri Ranganathar Institute of Engineering And Technology (Coimbatore)**

Sept 2022 – Apr 2026

Bachelors of Engineering in Computer Science and Engineering.

CGPA : 8.37/10

## Technical Skills

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Cloud Services	: AWS (EC2, S3, ECS, EKS, IAM, EBS, EFS, ELB, Fargate, Route53, VPC)
Containerization & Orchestration	: Docker, Kubernetes, Helm
Operating System	: Linux, MacOS, Windows
Version Control	: Git, GitHub
Infra as a Code	: Terraform
Scripting	: Shell Scripting(Bash), Python Scripting
Web & Backend	: Flask, FastAPI, REST APIs, Microservices
Data Structures	: Arrays, Linked Lists, Stacks, Queues, Hashing, Trees, DP, Sorting

## Experience

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### Cloud Computing Intern - Codec Technologies Pvt. Ltd

(Aug 2025 – Sep 2025)

- Gained hands-on experience with AWS services including EC2, ECS, EKS, Fargate and IAM for setting up and managing cloud environments.
- Learned the fundamentals of scalable architecture, cloud automation, and cost optimization in projects..
- Collaborated with the technical team to deploy and monitor cloud-based applications.

### Python Developer Intern - Jupitos Technologies LLC

(Apr 2025 – May 2025)

- Developed and maintained Python scripts for backend processes and data handling.
- Built small automation tools and assisted in creating REST APIs using Flask.
- Collaborated with the team to troubleshoot issues, optimize code, and implement best practices.

## Projects

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### SkillSync – Cloud-Native Deployment on AWS (ECS & EKS)

- Developed the SkillSync web application using Flask and microservices architecture, implementing modular, maintainable backend services.
- Containerized and orchestrated services with Docker and Kubernetes reliable deployments with zero downtime.
- Deployed and managed the application on AWS ECS (Fargate) and EKS with auto-scaling, ALB, CloudWatch monitoring, and enforced IAM security policies, achieving 99.9% uptime.

### Automated AWS Infrastructure for Scalable Web Application (Terraform)

- Built a complete cloud environment using Terraform modules provisioning VPCs, subnets, EC2 instances, RDS, and S3 with full networking and security setup.
- Generated dynamic outputs (public IP, instance IDs, load balancer DNS) for easy post-deployment access.