

Kodidela Sanjay Reddy

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EDUCATION

B.Tech., Computer Science and Eng.
NIT Rourkela

2020 – 2024

CGPA: 8.29/10.0

EXPERIENCE

Member of Technical Staff

Oracle Corporation

Jul 2024 – Present

- Developed scalable REST APIs and microservices for Fleet Application Management System (FAMS) service in OCI using Java and Dropwizard framework.
- Contributed to scalable backend services ensuring seamless integration and deployment within Oracle Cloud Infrastructure.

Software Engineer Intern

Oracle Corporation

May 2023 – Jul 2023

- Built a lightweight agent in GoLang using gRPC and go-oci-sdk to automate client command execution on selected VMs in OCI.
- Enabled efficient orchestration of remote VM tasks by designing and integrating a custom client-agent communication pipeline.

PROJECTS

Hybrid Battery for UAVs | C, Python

- Designed a hybrid battery-supercapacitor model to handle variable UAV workloads.
- Implemented flight and energy simulation using C; analyzed parameters using Python libraries.
- Enabled optimized power management for UAVs by determining ideal energy switching points.

Fleet Agent | gRPC, GoLang, go-oci-sdk

- Built an automation agent to manage and encrypt commands for OCI VM instances.
- Used GoLang, gRPC, and go-oci-sdk to automate command execution and artifact deployment.
- Improved cloud operational efficiency by securely managing VM lifecycle tasks.

TECHNICAL PROFILES

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TECHNICAL SKILLS

Languages: Java, C, C++, Go, JavaScript, HTML

Technologies: Dropwizard, gRPC, go-oci-sdk

Databases: Oracle DBMS

Courses: Data Structures, OS, Networks, ML, Cloud Computing

OS: Windows, Linux, macOS

ACHIEVEMENTS

- OCI Architect Associate Certification, 2025.
- OCI Generative AI Professional Certification, 2025.
- OCI Foundations Associate Certification, 2025.