

Shiva Kumar Reddy Gaddam

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PROFESSIONAL SUMMARY

Software Engineer with experience in platform automation, Kubernetes cluster management, and distributed systems at Oracle. Reduced regression cycles by **80%** across on-premises and Cloud Native environments by automating workflows across **4 core platform components**, and managed tech stack upgrades across **3 private K8s clusters**.

TECHNICAL SKILLS

Languages: C/C++, Python, Java, JavaScript, SQL, Bash/Shell

Infrastructure & DevOps: Linux, Docker, Podman, Kubernetes, Git, GitLab

Frameworks & Databases: Node.js, React, Flask, Oracle DB, MySQL, MongoDB

Core Concepts: DSA, OOP, DBMS, Computer Networks, REST APIs, Distributed Systems, Microservices, Agile/Scrum

EXPERIENCE

Oracle

Aug 2024 - Oct 2025

Software Engineer - QA Automation & Infrastructure

Hyderabad, India

- Built and automated **100+** end-to-end workflows across **4 platform components** (web services, messaging, directory services, dynamic routing) using LISA - reducing release cycle time by **80%** (5 days to 1 day) across on-premises and Cloud Native environments.
- Upgraded container-native tech stacks (Kubernetes, Podman, Helm) across **3 clusters** ensuring backward compatibility and coordinating rollouts with development teams.
- Provisioned and configured distributed platform environments across Linux VMs - installing middleware, database clients, and applying quarterly security patches across **3 release cycles**.
- Debugged environment and integration issues across distributed components - resolving SSL configuration, database connectivity, and service parameter failures. Mentored juniors on platform operations.

Oracle

Jan 2024 - Jul 2024

Project Intern

Hyderabad, India

- Automated end-to-end workflows for **4 core components** of a distributed service activation platform using LISA - covering web services, messaging (JMS/XML), directory services (LDAP), and dynamic routing.
- Collaborated with development teams on environment setup, infrastructure debugging, and deployment workflows across Linux-based and containerized environments.

PROJECTS

Speaker Diarization System | *Python, Flask, Whisper, SpeechBrain, Scikit-learn* | [SSRG IJEE 2025](#)

- Built a modular pipeline integrating Transformer-based speech-to-text and speaker embeddings for multi-speaker diarization, timestamped transcripts, and sentiment analysis.
- Developed a Flask backend coordinating audio preprocessing, embedding extraction, and spectral clustering for real-world multi-speaker audio.

Publications Management System | *MongoDB, Express.js, React, Node.js*

- Built a full-stack MERN application for the university CSE department to store, manage, and retrieve faculty publications with a restructured MongoDB schema.

EDUCATION

VNR Vignana Jyothi Institute of Engineering and Technology

Dec 2020 - Apr 2024

B.Tech in Computer Science Engineering - **CGPA: 9.52/10**

Hyderabad, India

ACHIEVEMENTS

- Awarded **Gold Medal** in Computer Science & Engineering - VNRVJIET (2024)
- LeetCode Knight** (Max Rating - 2036) | **CodeChef** 3 Star | Top 3 in DSA - Smart Interviews | [Profiles](#)
- Oracle Cloud Infrastructure ([OCI](#)) Foundations & AI Foundations Certified ([OCI AI](#))