

Deva Sai Sunder Tangella

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EDUCATION

Northeastern University, Boston
Master of Science in Computer Science

Sep 2025 – May 2027 (Expected) | Boston, MA
CGPA: 4.0 / 4.0

CVR College of Engineering, Hyderabad
Bachelor of Technology in Computer Science and Engineering

Aug 2019 – May 2023 | India
CGPA: 3.52 / 4.0

EXPERIENCE

Oracle | Associate Software Developer
Bangalore, India

Aug 2023 – Aug 2025

- Designed and deployed RESTful automation services to replace manual VSTP configuration workflows, **reducing configuration latency by 80%**, eliminating manual intervention.
- Migrated production VM networking from IPv4 to dual-stack IPv4/IPv6, enabling horizontal scalability and mitigating IP exhaustion risks.
- Implemented G-Port SRI query handling in prepaid call flows to ensure correct number portability resolution and billing accuracy.
- Built Jenkins-based CI pipelines with automated failure detection and retry logic, reducing test execution overhead by 40%.

Oracle | Project Intern
Bangalore, India

Jan 2023 – July 2023

- Automated VM provisioning on Oracle Cloud Infrastructure using Terraform and Ansible, cutting environment setup time by 78% (from 45 minutes to 10).
- Authored automated test suites for key VSTP features (e.g., GTT Action, MO SMS) using the Behave framework, improving test coverage and reducing manual QA effort.
- Executed regression test suites and contributed to debugging and maintaining automation scripts, ensuring reliable test outcomes and stable software releases.

ACADEMIC PROJECTS

SmartCal – Multi-Calendar Scheduling System | Java, Java Swing, MVC Architecture

[github](#)

- Designed and implemented a Java based virtual calendar system supporting multiple calendars with independent timezones.
- Built support for single and recurring events, including future-series and full-series modifications.
- Implemented timezone based scheduling and cross calendar event copying with accurate time conversion using IANA timezone standards.
- Developed both interactive CLI and headless execution modes enabling batch command processing and automation.
- Created CSV and iCal export functionality compatible with Google Calendar for real-world interoperability.

Kambaz - A Learning Management System | React, ExpressJS, NodeJS, JavaScript, TypeScript, MongoDB

[Try it](#) [github](#)

- Coded a full-stack learning management system supporting role-based access control, course management and secure authentication.
- Developed REST APIs and backend services using Node.js and Express.js to support CRUD operations at scale.
- Implemented a responsive frontend using React and Redux.
- Hosted frontend on Vercel, backend on Render and Database on MongoDB Atlas.

HealthCare - A Lung & Heart Disease Prediction System | Python, HTML, CSS, Flask

[github](#)

- Trained an ML model capable of predicting various lung diseases and heart diseases achieving an overall **accuracy of 94%**.
- Applied CNNs to classify lung diseases from X-ray images.
- Used Logistic Regression and Random Forest models for heart disease risk prediction from structured medical data.
- Exposed prediction services via REST APIs and integrated them into a full-stack application.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript

Backend/Web: NodeJS, Flask, Spring Boot, React, HTML, CSS

Databases: MongoDB, SQL, Firebase

Cloud & DevOps: Oracle Cloud Infrastructure (OCI), Terraform, Ansible, Jenkins

Testing & Tools: Selenium, PyTest, Behave, Git, Linux

Core CS: Data Structures & Algorithms, OOP, Computer Networks, Distributed and Operating Systems