

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