DUMPALA VENKATESHWAR REDDY

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EDUCATION

St. Peter's Engineering College (JNTUH) Hyderabad, India

B.Tech in Computer Science & Engineering (AI & Data Science) *Sep 2022 — May 2026*

CGPA: 7.1/10

Relevant Coursework: Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks

TECHNICAL SKILLS

- **Languages:** Java, Python, SQL
- **Web & Backend:** React.js, Node.js, Express.js, Spring Boot, REST APIs
- **AI & Data Science:** LangChain, OpenAI API, TensorFlow, Scikit-learn, Pandas, NumPy
- **Tools & Databases:** Docker, GitHub Actions, Linux, MySQL, MongoDB
- **Core Concepts:** SOLID Principles, SDLC

PROFESSIONAL EXPERIENCE

Software Developer Intern | *Cabptoid Solutions* *May 2026 – Present*

- Built and optimized REST APIs and backend modules for core business applications, handling data operations for 10,000+ transaction and user records.
- Integrated AI features into internal tools, including a rule-based lead scoring module, a ride-matching system, and custom chatbot workflows.
- Refactored legacy SQL queries and indexed database tables to fix bottlenecks and improve data loading speeds.
- Worked daily in an Agile sprint structure, using Git for version control, resolving pull request feedback, and handling deployments.

Technical Consulting Virtual Intern | SAP × Forage

July 2023

- Completed a Technical Consulting virtual experience program focused on enterprise business problem-solving and data-driven decision making.
- Assembled, organized, and interpreted business data to support analytical tasks and consulting recommendations.
- Performed data analysis to identify trends, patterns, and actionable business insights.
- Presented analytical findings through structured reports and business-oriented recommendations.
- Strengthened skills in SQL, Data Analysis, Business Analysis, Data Interpretation, and Stakeholder Communication.

PROJECTS

AI-Powered Intercity Carpooling Platform — *React.js, Node.js, Express.js, MySQL, OpenAI API, Leaflet API*

- Developed a full-stack ride-sharing application capable of mapping routes and calculating fares across 500+ city combinations.
- Wrote the backend logic to match drivers and passengers based on specific route coordinates, timestamps, and departure settings.
- Integrated the Leaflet API for interactive maps and the OpenAI API to handle natural language queries from users.

Universal Marketing CRM Platform — *React.js, Node.js, Express.js, MySQL, OpenAI API*

- Created a central dashboard to manage and update 1,000+ active customer profiles and sales pipelines.

- Built a feature that uses generative text models to analyze customer interactions and draft automated follow-up emails based on user sentiment.

ACHIEVEMENTS & CERTIFICATIONS

- **Certifications:**
  Structures & Algorithms in Python
  Python Scripting for DevOps
  Power BI Hands-On Workshop
- **Achievements:**
  Active competitive programmer on HackerRank
  Participated in the JNTUH DBMS Technical Workshop.