Tandra Malleswara Rao

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Professional Summary

Highly motivated Computer Science undergraduate with strong foundations in data structures, algorithms, object-oriented programming, and backend development. Hands-on experience in designing and building full-stack applications using Python, RESTful APIs, relational databases, and real-time systems. Proven ability to take ownership of ambiguous problem statements, rapidly prototype minimum viable products, and iteratively improve system reliability and performance.

Experience

Software Engineering Intern – Data & Backend Systems Sep 2025 – Oct 2025
Vodafone Idea Foundation (VOIS) *Certificate*

- Built backend workflows to clean, validate, and transform datasets for analysis.
- Developed reusable Python scripts to automate data processing and analytical tasks.
- Collaborated in a team-based environment to debug edge cases, review logic, and ensure correctness and consistency of outputs.

Projects

Online Price Tracker *Python, Web Scraping, HTML, CSS* GitHub

- Developed a product price comparison system that retrieves prices from two retailer websites based on user searches, helping users identify affordable purchasing options.
- Implemented web scraping workflows to fetch and parse HTML search pages from both websites and extract relevant product pricing details.
- Displayed the collected prices in a centralized comparison interface, enabling users to evaluate offers and make informed purchasing decisions.

Socialize Event Management System *Django REST Framework, SQLite, HTML/CSS, JavaScript* GitHub

- Built a full-stack event management platform allowing users to create, discover, register for, and manage social events.
- Implemented RESTful APIs, authentication, image uploads, event CRUD operations, and form validation using Django REST Framework and Django ORM.
- Designed relational database models, template inheritance, role-based administration, and optimized URL routing for maintainable application architecture.

Education

Bachelor of Technology (B.Tech) in Computer Science and Engineering 2023 – 2027
Rajiv Gandhi University of Knowledge Technologies, Ongole *CGPA: 8.7*

Technical Skills

Programming	:	Python, C++, SQL
Core CS	:	Data Structures & Algorithms, Object-Oriented Programming, Problem Solving
Backend	:	FastAPI, Django REST APIs, API Design, Authentication, SQLAlchemy
AI	:	Prompt Engineering
Databases	:	MySQL, PostgreSQL, SQLite
Tools	:	Docker, Git, GitHub, VS Code, Jupyter Notebook

Certifications

Python 100 Days of Code – Udemy Certificate

- Strengthened Python programming through hands-on projects covering OOP, data structures, algorithms, APIs, web scraping, file handling, and automation.

Data Analysis Bootcamp by Krish Naik Certificate

- Gained practical experience in SQL, Excel, business analytics, data cleaning, visualization, dashboard creation, and reporting for data-driven decision making.

Achievements

- Secured 11th rank in a nationwide SQL Hackathon conducted by NamasteSQL.
- Ranked in the top 15% of LeetCode users, solving 900+ Data Structures problems and 150+ SQL problems, demonstrating strong algorithmic and problem-solving skills.