

DANGETI SIDDU MAHESWARA RAO

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Educational Background

Aditya College of Engineering and Technology B.Tech, Electronics and Communication Engineering	May 2025 CGPA 8.60
Sri Chaitanya junior College kakinada Intermediate, MPC	2021 97.7%
Narayana High School Mandapeta SSC (10 th)	2019 CGPA 10.0

Skill Summary

- Languages: Python, C
- Database / Cloud: My SQL, Amazon web services
- Libraries / Tools: Pandas, Streamlit, Tkinter, Github,Jira.
- Soft Skills: Time Management, Collaboration, Problem Solving, Competitive, Fast learning,Communication, Critical Thinking
- Other skills: Good Typing Skills

Professional Experience

- Web Development Using Python Intern At Hydro Tribe** May 2023 to July 2023
- Developed Python scripts during internship at Hydro Tribe, leading to an automating data processing tasks that saved time around 10 hours per week for team members engaged in manual entry activities.
 - Created mini projects by using CSV, TKINTER, PyPDF2 libraries.
 - Engaged in coding re-factoring to improve the code maintainability and readability.

Academic Projects

Smart Waste Management with Live Tracking & Alerts | [Link](#)

Developed an IoT-based smart waste management system with a Flutter mobile app for real-time bin monitoring and alerts using Firebase Realtime Database and Cloud Messaging. Programmed Arduino Mega and ESP8266 NodeMCU to classify waste using moisture, metal, and ultrasonic sensors, and transmit data wirelessly. The app displayed bin levels, provided emergency controls, and ensured efficient waste segregation with minimal human effort.

Student marks Management | [Link](#)

A web based application built with Python and Streamlit to manage student records.Supported full CRUD operations and stores data in database, allowing users to add, update, delete and view marks through an intuitive interface. My role included designing the database, coding back-end logic and creating the user interface using streamlit framework and also implemented unit testing for database operations and form handling to ensure accurate data processing and a stable user experience.

Certifications

- Certified in python by Pearson - April 2023
- AWS Cloud Foundations by AWS Academy - August 2023
- Oracle Cloud Foundations by Oracle Academy

Accomplishments

Department Representative – Showcased leadership and event coordination skills.
HackerRank: ★★★ in python, ★★★★★ in c