GINJUPALLY SAI NIKHIL CHOWDARY

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Education

Hyderabad Institue of Technology and Management   CGPA:7.3
Bachelor of Technology, CSE-IOT   *Nov. 2021 – May 2025*

Impulse Junior College   GPA: 7.5
MPC   *2019-2021*

Nirmala Hrudaya High School   CGPA: 7.3
Schooling   *Passed out in 2019*

Projects

Hand Gesture Recognition | *TensorFlow, OpenCV*   August 2024
- The project uses OpenCV to capture and process real-time hand gestures, enabling interaction through a live camera feed.

- TensorFlow/Keras powers the gesture classification model, allowing the system to accurately recognize and respond to different gestures within the Tkinter interface.

Face Recognition Attendance System using OpenCV | *Python,Camara,openCV*   Mar 2024
- The Face Recognition Attendance System uses OpenCV and a camera module to capture and recognize faces in real time, automatically marking attendance for registered individuals.

- Attendance data is stored in a database, enabling easy record-keeping and retrieval, making the system highly efficient for classrooms and workplaces.

Phone Book Project using C | *C Programming Language, File Handling in C, Data Structures*   Jan 2024
- The project uses C and file handling to store, update, and delete contacts, ensuring data is saved permanently

- Contacts are managed with structs and arrays, creating an organized digital phone book accessible through a command-line interface.

IoT-based Gas Leakage Detection | *Arduino IDE, MQ-2,, Microcontroller*   Mar 2022
- The Gas Leakage Detection project is an IoT-based system that uses the MQ-2 sensor to detect the presence of gases like methane, carbon monoxide, and smoke, providing real-time monitoring.

- When a gas leak is detected, the system triggers an alert (via an LED, buzzer, or notification), ensuring immediate response to potential hazards and enhancing safety in environments like kitchens or industrial settings.

Technical Skills

Python | HTML | CSS | Data Structures | mySQL | Figma | Android Development | Basics of C

INTERNSHIP EXPERIENCE

Junior Technical Developer Intern | MOXIEHAWK   July 2024

- Contributed to the development of a Hospital Management System webpage, focusing on improving user experience and interface design.
- Developed responsive webpages for a Face Detection System, incorporating advanced design techniques for an intuitive user interface.
- Designed intuitive web designs (UX) using Figma.
- Maintained thorough project documentation.