

SURENDRA REDDY GANDRA

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Enthusiastic and motivated recent(2024) graduate with a foundational knowledge in programming and database management, seeking to kickstart my career by contributing to a dynamic team. Eager to apply my skills in a collaborative environment while continuously learning and adapting to meet organizational goals.

PROJECTS

- Gesture Driven Presentation Control** [GitHub](#)

2024

 - Developed an innovative gesture-based system using Python, OpenCV, and Mediapipe for real-time interactive presentation control.
 - Achieved significant improvements in user interaction efficiency and received high satisfaction rates in usability assessments.
 - Tech Stack used:** Python, OpenCV for Hand Tracking, Mediapipe for gesture recognition.
- Responsive Personal Portfolio** [GitHub](#)

2024

 - Developed a responsive personal portfolio to display projects and skills effectively across devices, using HTML, CSS, and JavaScript.
 - Integrated smooth scrolling, hover effects, and a typing animation, enhancing engagement and UI interactivity.
 - Tech Stack used:** HTML, CSS, JavaScript.
- Handwritten Digit Recognition Using CNN** [GitHub](#)

2024

 - Designed and implemented a Convolutional Neural Network (CNN) model for handwritten digit recognition with high accuracy.
 - Utilized Python, TensorFlow, Keras, NumPy, and Matplotlib to develop the model, which effectively learned from the dataset and improved over time.
 - Tech Stack used:** Python, TensorFlow, Keras, NumPy, Matplotlib.

EDUCATION

- S.R.K Institute of Technology**

2020 - 2024

Bachelor of Technology – Computer Science and Engineering (AI&ML) | CGPA – 7.82
- Sri Chaitanya Junior College**

2018 - 2020

Intermediate – MPC | CGPA – 8.53
- Global High school**

2017 - 2018

SSC | CGPA – 9.8

SKILLS SUMMARY

- Programming Languages :** Python, SQL
- Web Technologies :** HTML, CSS, Flask
- Database Management :** SQL, NOSQL, DynamoDB,
- Specialized Skills :** Machine Learning, Deep Learning
- Tools & Libraries :** OpenCV, Postman, MediaPipe
- Software Development Methodologies :** Agile, Waterfall

CERTIFICATIONS

- Agile Job Simulation - JPMorgan Chase & Co. (Forage), 2024
- Communication Skills - TCS ION – 2024
- Programming Essentials in Python – Cisco, 2023

INTERNSHIPS

Machine Learning Internship – DataValley Pvt.Ltd.

2024

- Developed the Air Canvas web application for real-time hand detection and gesture recognition using Python, OpenCV, and NumPy, enhancing user interaction.
- Used background subtraction to detect hand movements by analyzing differences between frames, allowing the application to identify gestures in real-time.
- Collaborated with the team to integrate additional features like color selection and tool size adjustment, controlled through specific hand gestures.