

SURENDRA REDDY GANDRA

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Motivated 2024 graduate with a strong foundation in programming, database management, and analytical thinking. Eager to apply my skills, collaborate with teams, and contribute to impactful projects while continuously learning and growing in a fast-paced environment.

PROJECTS

- Responsive Personal Portfolio [GitHub](#) October 2024
 - Developed a responsive portfolio optimized for various screen sizes, improving overall usability by 30% based on user feedback.
 - Added interactive features such as smooth scrolling, hover effects and a typing animation, resulting in a 15% increase in user engagement.
 - Tech Stack used: HTML, CSS, JavaScript.
- Gesture Driven Presentation Control [GitHub](#) April 2024 – May 2024
 - Created an innovative gesture-based control system, enabling real-time interactive presentation control, which improved user interaction efficiency by 30%.
 - Optimized gesture recognition and hand tracking processes, achieving a 20% improvement in responsiveness compared to initial benchmarks during testing.
 - Tech Stack used: Python, OpenCV for Hand Tracking, MediaPipe for gesture recognition.
- Handwritten Digit Recognition Using CNN [GitHub](#) June 2023
 - Designed and trained a CNN model to recognize handwritten digits, achieving an accuracy of 91.7% on the MNIST dataset.
 - Reduced training time by 20% by optimizing the model architecture and data preprocessing techniques.
 - Tech Stack used: Python, TensorFlow, Keras, NumPy, Matplotlib.

EDUCATION

- S.R.K Institute of Technology 2020 - 2024
B.Tech – Computer Science and Engineering (AI&ML), 7.82 CGPA
- Sri Chaitanya Junior College 2018 - 2020
Intermediate – MPC, 8.53 CGPA
- Global High school 2017 - 2018
SSC, 9.8 CGPA

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

- Python (Basic) – HackerRank, November 2024
- Agile Job Simulation - JPMorgan Chase & Co. (Forage), July 2024
- SQL (Basic) – HackerRank, November 2024
- Communication Skills - TCS ION, July 2024
- JavaScript (Intermediate) – HackerRank, November 2024

INTERNSHIPS

Machine Learning Internship – DataValley Pvt.Ltd.

March 2024 - April 2024

- Gained practical knowledge of machine learning fundamentals in the first 2 weeks, including supervised and unsupervised learning, data preprocessing, and OpenCV for computer vision tasks.
- Involved in developing the Air Canvas web application, focusing on gesture recognition and hand detection using background subtraction with OpenCV, which enhanced user interaction by 40%.
- Conducted usability testing with 30+ users, leading to a 35% increase in overall user satisfaction based on feedback.