DWARAMPUDI SATHYA REDDY

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PROFESSIONAL SUMMARY

Adaptable learner with strong understanding of digital tools, passionate about user-centric solutions. Thrive in collaborative environments and seek opportunities to grow and contribute.

SKILLS

Languages: C, Java, Python

Web Technologies: HTML, CSS, JavaScript (Intermediate), Bootstrap

Backend: JDBC, Hibernate, SQL

Soft Skills: Problem Solving, Strong Communication, Teamwork, Analytical Thinking

EDUCATION

CMR Engineering College, Hyderabad
Bachelor of Technology – **Computer Science and Engineering**   **2022–Present**
CGPA: **9.15**/10

Narayana Junior College, Hyderabad
Intermediate – Mathematics, Physics, Chemistry   **2020–2022**
Percentage: **96.9**

Masters Grammar High School, Hyderabad
Matriculation   **2008–2020**
CGPA: **10**/10

PROJECTS

Online Shopping Intention Analysis   **2025**
- Applied **K-Means clustering** to segment online users based on bounce rate and session duration, identifying potential vs. uninterested customers.
- Built and evaluated a **Random Forest Classifier** to predict purchase intention using features like visitor type, traffic source, and month.

MNIST Digit Classification   **2025**
- Built a digit classification system using the MNIST dataset with Python, leveraging TensorFlow, Keras, and OpenCV for model development and image processing.
- Trained CNNs for accurate handwritten digit recognition.

Virtual Keyboard Using AI   **2024**
- Developed an AI-powered virtual keyboard using **OpenCV**, **CVZone**, and **PyNput** for real-time, touch-free typing through hand gesture recognition.
- Simulated keystrokes using hand-tracking and fingertip logic from webcam input.

CERTIFICATIONS

- **Spoken Tutorial Certification in Java** – IIT Bombay
- **Fundamentals of Object-Oriented Programming** – NPTEL
- **Smart Coder** – Smart Interviews
- **Cambridge English Interchange Level 3 Course**

ACHIEVEMENTS

- **Finalist** – Ideathon by The Boring Education
- **Shortlisted** – Internal Smart India Hackathon (SIH)