

# Maddu Venkata Suhas

## Contact:

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## Career Objective:

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Driven by a passion for continuous learning, I aim to put my acquired knowledge into practice, while staying adaptable to new technologies. My goal is to contribute meaningfully and grow alongside the company, fostering both personal and organizational success.

## Education:

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Course	Institute	Y.O.P	%
S.S.C	R.R.E.M High School	2019	93
Intermediate	Sree Chaitanya junior college	2021	90
B.Tech(C.S.E-AI)	PBR VITS	2021-present	84

## Projects:

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**Motion detection alarm;** triggers an alert immediately upon detecting movement, ensuring enhanced security for valuable assets and sensitive areas.

This motion detection alarm system was developed using Python and OpenCV for real-time video processing and motion detection. OpenCV handles video capture, frame preprocessing, and contour detection, while NumPy supports matrix operations. The project utilizes a webcam for video input, with optional integration of sound libraries for audible alarms and notification services for real-time alerts.

**Weather App;** provides real-time weather updates for any city, displaying temperature, humidity, and weather conditions for enhanced user convenience.

The user interface is developed with HTML and CSS for a clean, responsive design. Weather data is fetched from the OpenWeatherMap API using JavaScript, which handles API requests, processes the data, and dynamically updates the interface

## Technical Skills:

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**Programming Languages:** python, c, SQL.

**Web Development:** HTML, CSS, JavaScript.

**Design and Prototyping Tools:** Figma, Wix studio.

**Version Control:** Git.

**Skills:** Computer Literacy, Problem Solving, Resilience, Teamwork, Time Management.

## Certifications:

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CS50 python certification by **Harvard University**.

Certified by Azure Fundamentals by **Microsoft**.

Completed the Introduction to Data Science course offered by **Infosys**.