

# Muthu.v *Program specialist*

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## Profile

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I am a tech enthusiast with experience in **software development, embedded systems, and IoT**, building projects like a **Weather API server** and a **WiFi-controlled smart car**.

## Professional Experience

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2024 – 2025	<b>Tutor</b>
Medavakkam, India	<i>CSC computer institute</i>
	As an instructor at CSC Computer Teaching Institute, I taught programming languages like C, C++, Python, and Java to students of varying skill levels. I guided them through practical exercises, helped with project development, and provided mentorship to enhance their technical skills

## Education

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2023 – 2027	<b>Electronics and Communication Engineering</b>
Chennai, India	<i>Panimalar Engineering College</i>
	<b>Bachelor of Technology in Electronics and Communication</b> , Panimalar Engineering College (expected 2027)

## Skills

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<b>Embedded Systems, IoT &amp; Home Automation</b>	● ● ● ● ●	<b>Full Stack Web Development</b>	● ● ● ● ●
Expertise in sensor integration, and developing smart home automation solutions using IoT and microcontrollers.		Proficient in React, SQL, MongoDB, and API integration	

## Languages

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• English • Tamil

## Projects

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### WiFi-controlled smart car

*Remote vehicle control using embedded systems and IoT.*

The **WiFi-Controlled Smart Car** enables remote navigation via a **web interface or mobile app**, allowing real-time control and monitoring.

### Weather API web server

*Real-time weather data retrieval and processing.*

The **Weather API Web Server** fetches real-time weather data and provides structured output for IoT or web integration.

## Certificates

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### Internship Completion Certificate

This **Embedded Home Automation** internship covered **ESP32-based smart control, IoT integration, sensor automation, and cloud connectivity**.

### Iot and embbed systems

An IoT and Embedded Systems certificate validates skills in smart device development and improves career prospects.