

# T VAMSHI KRISHNA

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## Career Objective

To secure a challenging position as an Embedded System Developer, leveraging my expertise in programming and microcontroller-based systems to contribute to innovative projects and organizational goals while enhancing my technical knowledge.

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## Technical Skills

- **Programming Languages:** Embedded C, C Programming, Data Structures, Basics of Linux System Programming.
  - **Microcontrollers:** STM32F401RBT6 (ARM Cortex M4 Processor).
  - **Development Tools:** Keil uVision5, STM32CUBEMX, GNU Debugger.
  - **Communication Protocols:** UART, I2C, SPI, CAN.
  - **Version Control:** GIT.
  - **Operating Systems:** Windows, Linux (Ubuntu).
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## Certifications

- Certified Industrial Embedded Systems Developer – Kernel Masters, Hyderabad.
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## Project Details

**Project Title:** *Smart Weather Monitoring System Based on IoT*

- **Location:** Hyderabad
- **Hardware:** STM32F401RBT6 Microcontroller, Rayyan Mini Board
- **Tools:** Keil IDE, STM32CUBEMX

### Project Description:

Developed a weather monitoring system to measure and monitor temperature and humidity using the **LM35 sensor** and **ESP8266 Wi-Fi module**. Data is displayed on an **LCD module** and updated to the cloud every 5 seconds.

### Responsibilities:

- Analyzed datasheets of LM35, ESP8266, and STM32F401RBT6 for hardware integration.
  - Wrote and debugged firmware in Keil IDE for seamless data transmission and accurate cloud updates.
  - Conducted extensive testing using ST-Linker hardware debugging tools.
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## Education

- **B.Tech in Computer Science & Engineering**  
Joginpally B.R. Engineering College, Hyderabad | **2024** | **CGPA: 7.12**
  - **Diploma in Mechanical Engineering (MEC)**  
PRR College, Shabad | **2021** | **Percentage: 62.5%**
  - **SSC**  
ZPHS Sidduloor | **2015** | **CGPA: 7.3**
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## Strengths

- Strong debugging and problem-solving skills.
  - Quick learner with the ability to adapt to new technologies.
  - Excellent teamwork and communication abilities.
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## Declaration

I hereby declare that the information provided above is true to my knowledge.

**Place:** Hyderabad

**Signature:** T Vamshi Krishna.