

KAVYA RAJALINGOLLA

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CAREER OBJECTIVE

Looking for a challenging position of Embedded Software developer in a technological environment where I can put my knowledge and skills into practice and create a winning team through hard work and dedication.

PROFESSIONAL SUMMARY

- Trained Embedded Systems professional with experience in programming, communication protocols, and hardware integration.
 - Proficient in coding, debugging, and testing embedded application using modern tools and methodologies.
 - Skilled in interpreting technical schematics, analyzing datasheets, and creating precise documentation.
 - Hands-on experience with microcontrollers.
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TECHNICAL SKILLS

- **Programming Languages:** C, C++, Embedded C
 - **Communication Protocols:** UART, SPI, I2C, CAN
 - **Microcontrollers & Boards:** 8051, STM32, Arduino, ARM
 - **Tools:** Debugging tools, Component testing, Schematic reading
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EDUCATION

- **B-Tech in Electronics and Communication Engineering (ECE)**
Vijay Rural Engineering College, 2018-2022 | 67%
 - **Intermediate (12th Grade)**
Sri Medha Junior College, 2016-2018 | 93%
 - **Secondary School (10th Grade)**
Shraddha High School, 2015-2016 | 87%
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PROFESSIONAL TRAINING

- **Embedded Systems and IoT Certification**
ISM University of Skill, Hyderabad | Nov 2022 - May 2023

PROJECTS

1. Smart Agriculture Using Arduino

- Designed and implemented a system integrating sensors and actuators to monitor and optimize agricultural parameters.
- Utilized Arduino microcontrollers for automation, improving farming efficiency.
- Tools and Technologies: Arduino IDE, C programming, Soil Moisture Sensors.

2. Pick and Place Robot

- Developed a robotic arm for automated object transfer across locations.
 - Implemented precise control mechanisms to enhance efficiency in manufacturing and logistics applications.
 - Tools and Technologies: Python, STM32, Motor Drivers.
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ACHIEVEMENTS & CERTIFICATIONS

- Certification in Embedded System
 - Certification in C programming
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ADDITIONAL SKILLS

- Strong documentation and report-writing skills
- Effective team collaboration and problem-solving abilities
- Working knowledge of quality assurance in hardware components