

SRIKANTH S

EMBEDDED ENGINEER

CONTACT



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Coimbatore, Tamil Nadu

TECHNICAL SKILLS

- Hardware Development and Circuit Design
- Microcontrollers (STM32, ESP32)
- Printed Circuit Board (PCB) Design
- Debugging and Troubleshooting
- Internet of Things (IoT) Technologies

SOFT SKILLS

- Strong critical thinking abilities and effective communication skills, both written and verbal.
- Effective in Team management and Team collaboration
- Proven ability to compile and present technical information to diverse audiences

EDUCATION

Sri Krishna College of Technology

B.E Electronics and Communication Engineering

7.5 CGPA

C.S.I Boys higher Secondary School

HSC - 70 percentage

SSLC - 85 percentage

PROFILE

- A dynamic Electronics and Communication Engineer with a solid academic background (7.5 CGPA) and 1 year of practical experience at reputed company. Skilled in designing and implementing driver and application software for thermal embedded devices and systems.

EXPERIENCE

Hardware Development Engineer

L & T Technology Services

2023-2024

- Developed and optimized driver and application software for automotive embedded systems.
- Work with microcontrollers, particularly STM32 and ESP32, to create innovative hardware solutions.
- Debug and troubleshoot hardware issues, ensuring optimal performance and reliability.
- Utilized CAN and UDS protocols for communication and diagnostics.
- Implemented AUTOSAR standards for software architecture. Collaborated with hardware design teams to integrate and validate new product designs.
- Led the development of embedded software solutions for automotive systems, focusing on distributed systems and thermal management.
- Design and develop hardware systems, including PCB and circuit design.
- Developed software modules in C, Embedded C, C++, and Python to meet ASPICE Process requirements.

CERTIFICATIONS & TRAINING

Linux Unhatched by Cisco Academy

2-Months

- This certificate, issued by Cisco Academy, validates proficiency in Linux operating systems. The program covers essential Linux concepts, including command-line operations, file systems, network configuration, and system administration. Participants gain practical skills through hands-on labs and real world scenarios, equipping them to deploy and manage Linux-based systems effectively.

Master in C by Sololearn

2-Months

- This certificate, issued by Cisco Academy, validates proficiency in Linux operating systems. The program covers essential Linux concepts, including command-line operations, file systems, network configuration, and system administration.

PROJECTS

SOFTWARE DEFINED VEHICLE(SDV)

8-Months

- Led the development of hardware components for a software-defined vehicle, integrating advanced microcontroller systems.
- Designed and implemented PCB layouts and circuit designs tailored for automotive applications.
- Worked closely with the software team to ensure seamless integration of hardware with the vehicle's software systems.

Automotive Diagnostic Tool

4-Months

- Engineered a diagnostic tool for automotive applications, leveraging the power of STM32 microcontrollers.
- Designed the PCB layout and circuit schematics to support various automotive diagnostic protocols, including CAN and UDS.
- Developed firmware to enable real-time data collection and analysis from vehicle systems.