

SAI SARANYA KOPPAKA

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Objective

To get into a position where I can exhibit my skills for growth of the company as well as my personal growth, be as motivating as I am now in all the challenging tasks encountered.

Professional Summary

A dedicated and proficient IT professional having 3 years of progressive work experience in IT industry in Middleware, there by gaining a great deal of knowledge and technical expertise in areas of AUTOSAR RTE.

Technical Experience

- Specializing in Functional Testing and Debugging with embedded c.
- Hands-on experience in Unit Testing using CANTATA tool and Tool developing using python.
- Basic knowledge on Embedded Design.
- Skilled in using the C4K(Compose for KSAR) tool to configure various parameters.

Technical Skills

- C Programming
- Python
- Classic AUTOSAR
- Embedded C

Work Experience

KPIT: Sep 2022 to Current: Worked on Functional Testing and Debugging with embedded c in AUTOSAR RTE Product Development.

Designation: Software Engineer

Roles and Responsibilities :

1. Worked on functional testing using C4K tool.
2. Knowledge on preparing configurations based on the requirements.
3. Hands-on experience in debugging the issue in functional testing.
4. Hands-on experience on Unit Testing using Cantata Tool.
5. Knowledge on embedded C for Sender-Receiver Communication.
6. Knowledge on embedded C for Client-Server Communication.
7. Performance of automotive software by conducting thorough functional and unit testing, automating processes with custom tools.
8. collaborating with cross-functional teams to meet complex system requirements, while adhering to industry standards and best practices for software quality, debugging, and optimization.
9. Implementing test cases to validate communication mechanisms like Sender-Receiver and Client-Server interfaces and verifying the integration of software components (SWCs) with Basic Software (BSW).

10. Functional testing focuses on end-to-end validation of RTE functionalities, while unit testing ensures correctness of individual modules, error handling, and performance under real-time constraints using testing frameworks and tools like C4K and CANTATA Tools.

Academic Qualifications

- Bachelor of Technology (Electrical and Electronics Communication Engineering) from Aditya Engineering College, Surampalem (Andhra Pradesh) in 2018 – 2022.
- Diploma from V.K.R & V.N.B Polytechnic College, Gudivada(Andhra Pradesh) in 2016 – 2018.
- 10th from Z.P.H School, Velpucherla (Andhra Pradesh)

Strengths

- Ability to cope with failures and learn from mistakes.
- Self-Motivated
- Positive attitude

Personal Information

Name: Sai Saranya Koppaka

Languages known: English, Telugu