

**CHINTHAM AHALYA**

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**Bangalore**

***Carrier Objective:***

Highly experienced in Embedded Software development with over 4 years of industry knowledge, I am seeking a career opportunity with an innovative technology company. My objective is to continually learn, leverage my vision and creativity, and collaborate with dedicated professionals to maximize my career growth

***Professional Summary:***

- In depth understating of embedded C programming language.
- Good understanding of ARM architecture.
- Knowledge in RTOS and AUTOSAR concepts.
- Development of Communication stack Configuration(CAN driver,CANIf,PduR,COM) in AUTOSAR using tool base Aieee Software.
- Sound experience with communication peripheral interfacing such as GPIO,UART, SPI, I2C, CAN.
- Knowledge in Automotive Safety Standards (ISO26262) and Processes (ASPICE).
- Sound experience in Software unit testing,Software Integration testing and Software Qualification testing.
- Familiar with Configuration Management tools like RTC,DOORS,MKS,Clearquest.
- Familiar with PSdiag, CANoe, Eclipse, E1,E2 Emulator, GreenHills Multi compiler.
- Familiar with JTAG and Serial Wire debuggers.
- Hands-on experience on Writing Software Requirements referring Customer Requirements.
- Hands-on experience in Software Architecture and Software Detailed design of SW Components in Rhapsody and Ameos tool.
- Familiar with Software Development life Cycle – V model.

***Work Experience: 4 Years***

DURATION	ORGANISATION	ROLE	DOMAIN
April 2022- Till current date	Robert Bosch Engineering And Business Solutions Pvt Ltd	Senior Engineer	Automotive
March 2020- April 2022	Varroc Lighting Systems	Embedded Software Engineer	Automotive

## Top Skills:

SKILL	TOOL/TECHNOLOGIES
Embedded C Program Development	STM32 Cube IDE ,KEIL , ECLIPSE IDE,Visual Studio
Protocol	I2C, SPI, UART,CAN
Configuration Management Tools	RTC,DOORS,MKS,Clearquest,Rhapsody
Compiler	GreenHills Multi, IAR

## Projects

PROJECT	ENVIORNMENT	DESCRIPTION
Airbags (BOSCH)	Embedded C ,CAN, Bug Fixing	<p>This helps in protecting the Car passengers in case of collision.</p> <p>Worked on ComStack Configuration(CAN driver, CANIf, PduR, COM) in AUTOSAR.</p> <p>Responsible for fixing bugs and defects reported by testing team and the customer.</p> <p>Hands-on experience in Software Architecture design and Software detailed design of Software Components in Rhapsody tool following MBSWE.</p>
HeadLamps (Varroc Lighting Systems)	Embedded C, Vectorcast, LDRA, Rhapsody	<p>This design is to provide visibility when driving the car around the curve.</p> <p>Responsible for fixing bugs and defects reported by customer.</p> <p>Worked on Unit testing,Integration testing and Qualification testing</p> <p>Exposure on Software Architecture design and Software detailed Design of Software Components in Rhapsody tool</p>

## *Educational Qualifications*

<b>DEGREE</b>	<b>UNIVERSITY</b>
<b>PG Diploma</b>	<b>CDAC,Pune</b> <b>Brief Summary About modules:</b> <ul style="list-style-type: none"><li>• <b>Programming Concepts(Embedded C)</b></li><li>• <b>MicroController and Interfacing (ARM Cortex M3/M4)</b></li><li>• <b>Driver Development like GPIO,SPI,I2C,UART</b></li><li>• <b>Embedded Operating Systems</b></li></ul>
<b>B. TECH</b>	<b>Bapatla Women's Engineering College,Andhra Pradesh</b>
<b>Higher Secondary Education</b>	<b>Sri Chaitanya Junior College,Andhra Pradesh</b>
<b>10<sup>th</sup> (SSLC)</b>	<b>St.Arnold's High School,Andhra Pradesh</b>