

Ajith K

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SUMMARY

An enthusiastic Embedded software Development Professional with a demonstrated experience in Automotive Domain and exemplary written and verbal communication looking for opportunity with esteemed organization which enables me to learn and work with the emerging technologies, to enhance my knowledge and give back to society and the organization.

EXPERIENCE

Trainee Engineer

HL Klemove, Bengaluru, Karnataka.

August 2023 – December 2023

- Completed an internal project on Speedometer which involved **CAPL scripting** and creation of **DBC file**.
- Gained knowledge on **AUTOSAR Architecture, COM and Diagnostic Stack**.
- Experience with **UDS protocol (ISO 14229)** and **CAN interfacing**.
- Code analysis of **failsafe module** in DCU15.
- Knowledge on **port creation in ARXML file** using ARTOP.

SKILLS

Language: C, Embedded C, CAPL Scripting.

Tools: Proteus, Keil U Version, CANoe, VS Code, Artop.

Microcontroller: ARM7 Based LPC2129.

Protocols: UART, ADC, SPI, I2C, CAN.

Architecture: AUTOSAR.

Standards: Basic Knowledge of ISO 26262 and ISO 14229.

PROJECTS

BCM Module

VECTOR INDIA

- **Description:** Body Control Module (BCM) in automotive, makes use of the vehicle's bus system to communicate with different ECUs in the vehicle by sending and receiving signals through the bus.
- **Language:** C, CAPL scripting
- **Tools:** Keil U Version, VECTOR CANoe.

Real Time Clock

Vector India

- **Description:** RTC is a digital clock with a primary function to keep accurate track of time even when a power supply is turned off or a device is placed in low power mode.
- **Language:** C.
- **Protocol:** I2C.
- **Tool:** Keil U Version, Proteus.

EDUCATION

B.Tech in Electrical and Electronics Engineering

Government Engineering College Sreekrishnapuram. • Kerala • 2022 • 69%

Higher Secondary

Government Higher Secondary School, Chittur • Kerala • 2017 • 87%

High School

Government Higher Secondary School, Chittur. • Kerala • 2015 • 82%

CERTIFICATIONS

Advanced Embedded System

Vector India • 2023