

ASHISH GUPTA

Embedded Software Engineer

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SUMMARY

A strong background in embedded software engineering is demonstrated, with experience in optimizing coding practices and debugging systems. Proficiency in functional safety standards, particularly ISO-26262, is highlighted through successful project work with major automotive clients. An eagerness to contribute to high-quality results and team success is evident, aligning with a commitment to advancing automotive technologies and enhancing user safety.

EXPERIENCE

Software Engineer

Marelli India Pvt Ltd

12/2021 - Present Gurugram, India

A leading global company specializing in advanced automotive technologies.

- Experience in writing optimized code with knowledge of C and Embedded C
- Experience in working with Functional Safety ISO-26262(Part 6 & 4), TSC, TSR, FUSA, Unified Diagnostic Services ISO-14229.
- Proficient in debugging using MULTI tools.
- Worked on DCR's and Fixes Customer CR's.

EDUCATION

B. Tech in Electronics Engineering

Kamla Nehru Institute of Technology (Govt)

07/2016 - 12/2020 Sultanpur, UP, India

CERTIFICATION

ANCIT's Classic Autosar Training

Online Training program focused on Classic Autosar using EB Tresos.

Advanced Embedded System (Vector India, Bangalore KA)

Training in advanced embedded systems concepts.

Embedded C (Livewire, Varanasi UP)

Training in Embedded C & Microcontrollers concepts.

LANGUAGES

English
Proficient



Hindi
Native



KEY ACHIEVEMENTS

Best Performer of the Month

Recognized for outstanding performance at Marelli, contributing to team success

Best Performer of the Quarter

Honored for exceptional contribution over the quarter at Marelli

SKILLS

C Programming Embedded C

Autosar (BSW) CANoe / CANalyser

EB Tresos ISO 26262(Part 6 & 4)

USD (ISO 14229) CAPL Doors

Communication Protocol(I2C SPI UART)

Unit Testing APSICE Agile

Jira Confluence

PROJECTS

DuctaoMy21, My24 (FIAT)

08/2022 - Present

Embedded software project for FIAT vehicles focusing on diagnostic services.

- Dash Board Application SW development.
- Understanding of requirement in Doors
- CR's & DCR's Implementation and Bug fixing in UDS.
- Understanding of TSC, TSR (ISO 26262) and Developed the Features.
- Update unit test spec & testing for SW Component.

BMW PHUD (Panoramic Heads-Up Display)

12/2021 - 07/2022

Project involving safety requirements and automation for BMW's heads-up display

- Understanding of Safety (ISO26262) Requirements (TSC) and Write test case on doors & automate the test cases.
- Calculate FTTI and FHTI timings using a PicoScope with an automation tool.