P.SOWJANYA

SOFTWARE ENGINEER

CONTACT ME

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EDUCATION & CREDENTIALS

B. Tech
KITS Engineering College, Khammam
2017 – 2021,
Specialization:
Electronics and communication Engineering
Percentage: **76.3%**

AREAS OF EXPERTISE

Programming Languages:
C, C++, and XML.

Development Environment:
IBM Rational Rhapsody, Altai Design Tool, Qt Creator, QNX momentics, HMIC Designer Tool, Visual studio, Bitbucket, GIT Hub, Source tree.

1+ Years of total industrial experience in Automotive HMI development. Experience in development Embedded based Applications involving C++ and QT5.15.2

WORK EXPERIENCE

Software Engineer
People Tech Group Inc• Hyderabad• 2022 - Present
Responsibilities:

- Requirement analysis and design a software solution based on client requirements.
- Design and development of multiple cluster features for ICE and BEV vehicles.
- Writing the Unit test cases with the google test framework.
- Static code analysis and fixing of bugs found in various stages of testing.

Projects:
HMI Development for instrument cluster• Hyderabad• 2022 - Present
Client: General Motors.
Industry: Automotive.
Summary: This project involved development of HMI for an In-vehicle Cluster System. The HMI was developed from scratch as per the requirements provided by the client (General Motors). The project was composed of several modules like RHMI, Driver Assistance, Vehicle info status, etc.
Development Activities:

- XML development as per the UI requirements.
- Rhapsody UML modeling for screen Transition Logic.
- Writing C++ code for cluster features (i.e., Gauges, Info pages, Telltales, Alerts) development in Qt Creator tool.
- Binding the C++ code with the XML widgets with the help of HMIC designer tool.
- Developing code to handle touch input to display different features on Altai renderer.