

RAGHU SRIPATHI

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CAREER OBJECTIVE

I want to achieve a remarkable position in my career where I could be recognized as an expert resolving every task assigned to me. To excel in IT industry and possess every goal assigned to me in effective way.

PROFESSIONAL SUMMARY

- I have **2.3 years** of experience in **Embedded Systems**, Especially in developing applications for **Automotive Head Unit Development**
- Hands-on experience in **Embedded C and Embedded C++** for building **Embedded Systems Applications**.
- Strong knowledge of **Object-Oriented Programming (OOP)** concepts like **Inheritance, Polymorphism, Encapsulation, and Abstraction**.
- I possess a comprehensive understanding of **Data Structures**, enabling efficient data manipulation and algorithm implementation.
- I am adept at using industry-standard tools such as **JIRA, Visual Studio, and GIT** to support project management, version control, and the **Software Development Lifecycle**
- I have experience working on **Scrum-Based Projects**, applying **Agile Methodologies** to achieve sprint goals and deliver high-quality software.
- I am skilled in using **GDB** for **Debugging** in a **Linux Environment**, enabling effective issue identification and resolution.
- I have a solid foundation in the **Linux Operating System** and basic knowledge of **Real-Time Operating Systems (RTOS)**, which are essential for embedded application development.
- I have a good understanding of **Multithreading** concepts and their implementation in software development.
- I have experience working with **CAN and I2C** communication protocols, enabling effective data exchange in embedded systems.

PROFESSIONAL TECHNICAL SKILLS

- Technology : Embedded C, Embedded C++, C, C++
- Operating Systems : Windows, Linux
- IDE's and Tools : Visual Studio, JIRA, GIT, CAN Protocol

PROFESSIONAL EXPERIENCE

- Employed as a Software Engineer at **UPTECH SOFTWARE SOLUTIONS PVT LTD** from late 5th of Feb - 2024 to 17th of April-2026.

ACADEMICS

- B. Tech (Computer Science & Engineering) at JNTUA with 73%
- INTERMEDIATE at AP S W R S & J u n i o r C o l l e g e with 65
- SSC in APSWRS for BOYS with 7.5 CGPA

PROJECTS

Project: 1

- **Title** : **Digital Cluster HMI Application Development**
- **Languages** : Embedded C, C++
- **Role** : Developer
- **Team Size** : 12

Description:

This project deals with development of Digital Cluster interfaces through HMI framework for four-wheeler. This majorly supports Features implementations enhancement of various cluster interfaces from the various engine controls like Alerts, Events, Dynamic messages and Actions on cluster display.

Roles and Responsibilities:

- Developed and maintained **Instrument Cluster Applications** for four-wheeler vehicles using HMI frameworks.
- Designed and implemented **HMI Interfaces** to display alerts, events, dynamic messages, and user-triggered actions on the cluster display.
- Worked on **Feature Enhancements** and **Bug Fixes** for existing cluster interfaces to improve user interaction and display performance.
- Coordinated with cross-functional teams for Requirement Gathering, analysis, and validation of display features.
- Translated **Vehicle ECU (Engine Control Unit)** signals into user-friendly visuals on the digital cluster using **CAN Protocol**.
- Followed **Agile Methodology**, participating in sprint planning, code reviews, and daily stand-ups.

Project: 2

- **Title** : **Application Development for Automotive Head Units.**
- **Languages** : Embedded C, C++
- **Role** : Developer
- **Team Size** : 15

Description:

This project focuses on developing HMI applications for automotive head units, involving the design and refinement of user interfaces based on defined requirements. The development includes common functionalities typically operated through in-vehicle infotainment systems.

Roles and Responsibilities:

- Implement specifications for **In-Vehicle Infotainment (IVI) Systems**, ensuring alignment with project requirements and user expectations.
- Responsible for **Debugging** and resolving technical issues, collaborating with cross-functional teams to deliver high-quality solutions.
- Perform in-depth code analysis using specialized tools to identify and **fix bugs**, improving software performance and reliability
- Improved **IVI system performance** and usability through the implementation of impactful features.

PERSONAL INFORMATION

Name : Raghu Sripathi
Gender : Male
Marital Status : Single
Languages : English, Telugu and Hindi

DECLARATION

I hereby declare that the above information is true to the best of my knowledge and belief.

Date:
Place:

(Raghu Sripathi)