

SHRUTI SATISH RAHATAL

Email: shrutirahatal12@gmail.com Mobile: (+91)7774033296

CAREER OBJECTIVE:

To associate with progressive organization that gives me scope to apply my professional, technical skills and involve myself as part of a team that dynamically works towards the growth of the organization.

SUMMARY:

- Experience as an Embedded Software Developer using Embedded C and Embedded C++ for a HVAC domain.
- Experienced in analysis of requirement and develop the functionality based on requirement.
- Proficient in debugging embedded software application and the ability to analyze software/firmware issues.
- Experience in Software bug fixing.
- Experience in UI design using QML
- Understanding of microcontroller architectures, memory & Peripherals (UART, Timers)etc.
- Knowledge of Communication protocols such as SPI, CAN, I2C, UART, etc.
- Experience in performing Unit testing.

TECHNICAL SKILLS:

- Languages : C Programming, Embedded C, Embedded C++.
- Microcontrollers : Renesas H8/3048, ARMV7 series.
- Protocols :SPI, I2C, UART.
- Tools : Visual Studio Code, Eclipse, DCAT, COMTEST.

Trainings and certifications:

- Pursued training in **Advance Embedded System** at **Vector India Institute, Bangalore** (Sept 2019 - Oct 2020)

WORK EXPERIENCE:

Associate Firmware Developer at Carrier Technologies India Limited, Hyderabad

(Nov 2020 - Present)

ACADEMIC PERFORMANCE:

- Bachelor of Engineering in **Electronics & Telecommunication Engineering** from Savitribai Phule Pune University (SPPU) and secured **7.11 SGPA** in 2019.
- Diploma in **Electronics & Telecommunication Engineering** from Government Polytechnic Nashik and secured **78.81%** in 2016.
- S.S.C. (Class 10th) from R.J.C.B.Girls HighSchool,Nashik, passed out in 2013 with **87.09%**.

PROJECT SUMMARY:**Project#1: Syracuse Sustaining Engineering Support**

Languages : Embedded C
Controller : Renesas H8/3048 Series
Role : Software Developer
Tools : Point Processor, DCAT, COMTEST, IBM RTC

Description:

The objective of this project is to provide assistance to software changes for legacy Large/Applied Rooftop Units for various product series.

Responsibilities:

- Responsible for implementing various features and bug fixing.
- Involved in analyzing requirements and giving compliance as part of development.
- Addressed field issues with required software changes
- Writing Unit Requirements in SRS modules.
- Perform Unit testing for implemented feature or fixed bug.
- Supports SQA clarification after software releases.

Project #2: Viper PIC6/PIC6.1

Language : Embedded C++
Controller : ARMV7 series
Role : Software Developer
Tool : Visual Studio Code, Eclipse, MODbus simulator, Smart simulator, QT creator

Description:

The objective of this project is to provide assistance to software changes for Large/Applied Rooftop Units for various product series in Windows and Linux Environment.

Responsibilities:

- Responsible for implementing various features and bug fixing for PIC6.
- Supports migration from Viper PIC6 Windows environment to Viper PIC6.1 Linux environment.
- Designed PIC6.1 UI using QT creator with QML language as part of migration activity.
- Upgradation of Standard Work Document for Project.

PERSONAL INFORMATION:

- Fathers Name : Satish Shankar Rahatal.
- Date of Birth : 12th Aug 1997.
- Marital Status : Unmarried.
- Gender : Female.
- Nationality : Indian.
- Languages Known : English, Hindi, Marathi.
- Present Address : Madhapur, Hyderabad-500081.
- Permanent Address : Nashik, Maharashtra-422101