Prajyot Mandhare

Senior Software Engineer

PERSONAL INFORMATION

✉ **Email**
mandhareprajyot@gmail.com

📞 **Mobile**
(+91) 8087605472

💼 **Total work experience**
5 Years 6 Months

KEY SKILLS

embedded c

embedded developer

embedded systems

Automotive Embedded Systems

OTHER PERSONAL DETAILS

City	Pune
Country	INDIA

HOBBIES

HAM radio operator call sigh VU3TOZ, Violin, Gardening

LANGUAGES

PROFILE SUMMARY

Current designation :- Embedded Engineer
I like to code and use new algorithms and test them on different hardware.I can work on different platforms and different hardware boards from 8 bit,16 bit to 32 bit micro-controllers.
I have done post graduation diploma in embedded system design with A+ grade from TCIL-IT.
Software Development and research working on Embedded systems. Code debugging with product testing on industrial projects.
Currently seeking for a good opportunity to work in Embedded domain.

EDUCATION

2015 — PG Diploma
TCIL-IT (Bicard)

2014 — B.Tech/B.E.
Pune University

2009 — XIIth
English

2007 — Xth
English

WORK EXPERIENCE

Jun 2022 - Present — Senior Software Engineer
KPIT Technologies Ltd.
Embedded Software development using Embedded C

Nov 2021 - May 2022 — Professional I
Capgemini
Unit Testing

Aug 2021 - Oct 2021 — Embedded Engineer
Inditech Electro Systems Pvt Ltd
Software development

Dec 2020 - Aug 2021 — Assistant Engineer
Kinetic Communications
Software Development using Embedded C

Apr 2015 - May 2016 — Embedded Engineer
Chetas Control Systems

- English
- Hindi
- Marathi

Embedded Engineer

Projects

36 Months   **Reverse Engineering**

SRS documentation on PTC integrity using Agile methodology and updating for each sprints given by the customer.
Drawing Flowcharts and writing requirements according to source code.Doing unit testing MC/DC code coverage using Tessy tool.
Software used are Microsoft Visio,Tessy and PyCharm.

7 Months   **Unit Testing**

Validating high level and low level requirements by writing python scripts according to DO-178C standards
Writing test cases and checking pass/fail status on CentOS platform.
Worked on the ECOA architecture which is a middleware used in defence application.

3 Months   **Interfacing MP3 module to Renesas RL78uC**

Used UART protocol to read frames from a SD card module having MP3 files.
The module was interfaced to Renesas RL78 uC to play music giving information of floor number of an elevator which has a LOP (outside cabin) and COP (elevator cabin) interfaced by CAN communication.
Software used are Eclipse IDE,Renesas E2 programmer/Debugger.

12 Months   **Ultrasonic water flow meter**

Interfaced EEPROM chip to MSP430 using I2C protocol to read/write flow parameters used in calibration of water flow meter.
Software used Code Composer Studio,Kiel uVision IDE,TI USB flash debugger/programmer.