

**Prasad Bhangare**

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### **Career Objectives:**

To be part of reputed organization which provides a steady career growth along with job satisfaction, challenges and give value contribution in the success of organization.

### **Professional Summary:**

- Over 2+ years of experience in Embedded C & RTOS testing.
- Over 4+ years of experience in various functions such as Testing, Validation, Debugging , Integration & Manufacturing of systems.
- Work in the testing and debugging of PWAs.
- Good knowledge of GA (general Assembly), wiring charts and schematics of systems.
- Knowledge about Defence Standards
- Knowledge about EMI/EMC testing.
- Experience in working with HyperTerminal, Hercules tools , ERP-LN, PLM.
- Testing of Digital and Analog hardware designs.
- Reliability and environmental stress screening QA & QT tests (Burn in, Thermal cycling and Vibration), Preparation of test reports, QC Clearance.
- Performed effective troubleshooting of circuits to the component level.
- Served as expert in the testing and repairing of electronic systems.
- Analyzing reports and data to determine if design meets functional and performance specifications.
- Applying customer feedback to develop process improvements and support long-term business needs.

### **Professional Experience:**

- Worked with **L&T Defence** as **Junior Engineer** from DEC 2019 to SEP 2023.
- Worked with **Rosenberger Electronics** as **Trainee Engineer** from JUN 2019 to DEC 2019.

### **Technical Skills:**

- Embedded C Programming
- Microcontrollers (STM32, Arduino, ARM, Rasberry Pi, PIC, RISC-V, )
- Communication Protocols ( CAN, ModBUS, I2C, SPI, UART, USART, RS232, RS485, LAN )
- Data Structures and Algorithms
- Embedded Operating System (Socket Programming, IPC)
- Real Time Operating System (FreeRTOS)
- Embedded Linux Device Drivers
- IOT (Database, mysql, MQTT, REST)
- C++, Python
- Github
- Operating System: Windows, Linux

## Project Details:

### PG-Diploma Project (Embedded System)

<b>Project Name</b>	<b>Airbag control system using CAN protocol &amp; RTOS</b>
<b>Description</b>	Developed an "AIRBAG CONTROL SYSTEM" using CAN protocol and RTOS. In addition to it, we are included LCD[16*2] display using I2C protocol, Air-Pump, Piezoelectric collision detector and STM32F407VG discovery boards. Further we used Embedded C programming language and FreeRTOS on stm32CubeIDE. We have demonstrated and understand the working and tuning of CAN protocol and RTOS practically. After updating this system to the latest industrial requirements, it can be directly implemented.

### L&T Defence, Pune

<b>Project Name</b>	<b>Brahmos Missile System</b>
<b>Customer</b>	<b>Brahmos Aerospace</b>
<b>Description</b>	<p>Led comprehensive efforts in the manufacturing, testing, and system readiness phases of the BrahMos missile project with focus on embedded C testing and Real-Time Operating System (RTOS) testing, a collaborative endeavor between India and Russia renowned for its supersonic speed and precision strike capabilities. Engaged in all aspects of the project lifecycle, from initial stage to product dispatch, ensuring adherence to strict quality standards and operational requirements.</p> <p><b>Key Responsibilities:</b></p> <ul style="list-style-type: none"><li>• Manufacturing &amp; Testing</li><li>• Embedded C &amp; RTOS testing</li><li>• Product Reliability Testing</li><li>• System Integration &amp; Testing</li><li>• Customer Handling</li><li>• Vendor Visits</li></ul>

<b>Project Name</b>	<b>Pinaka Launcher system</b>
<b>Client</b>	<b>DRDO</b>
<b>Description</b>	<p>I contributed to the manufacturing and testing &amp; integration phases of the Pinaka Multi-Barrel Rocket Launcher (MBRL) System, a vital component of the Indian Army's Artillery regiment developed by the Armament Research and Development Establishment (ARDE) under the Defence Research and Development Organisation (DRDO).</p> <p><b>Key Responsibilities:</b></p> <ul style="list-style-type: none"> <li>• Manufacturing &amp; Testing</li> <li>• Embedded C &amp; RTOS testing</li> <li>• Product Reliability Testing</li> <li>• System Integration &amp; Testing</li> <li>• Customer Handling</li> <li>• Vendor Visits</li> </ul>

#### Education Qualification:

Education	Year	Institute	University	Percentage
PG Diploma Embedded	2024	Sunbeam Infotech, Pune	CDAC	64 %
BE	2023	Smt. Kashibai Navle college of Enginnering, Pune	SPPU Pune	70 %
Diploma	2019	Amrutvahini Polytechnic, Sangamner	MSBTE	75 %
SSC	2016	Mahatma Phule vidyalaya, Sugaon bk	Pune Board	69 %

#### Personal Information

Name : Prasad Baburao Bhangare  
 Date of Birth : 28-05-2001  
 Language Known : English, Hindi,  
 Marathi. Marital Status : Unmarried  
 Nationality : India  
 Residence Address : I Trend homes, Phase 2, Hinjewadi, Pune- 411057

#### Declaration:

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

**Place:** Pune

**Date:** / /

Prasad Bhangare