

# LOHIT PRAKASH A

## Software and Embedded Systems Engineer

Phone - +91 8610536441

Mail - lohitprakashapl@gmail.com

[linkedin.com/in/lohit-prakash-a763531b3](https://www.linkedin.com/in/lohit-prakash-a763531b3)

## SUMMARY

I am a highly motivated and detail-oriented software and embedded systems engineer with over 3 years of hands-on experience in software and embedded development for the automotive and aerospace sectors. My expertise lies in developing, testing, and delivering innovative solutions that enhance functionality and performance, and I am eager to apply my technical skills and problem-solving abilities in a dynamic organization.

## EXPERIENCE

Associate Product Engineer 07/2024 - CURRENT

**Vector Informatik** | Bangalore, India

Project - PCT (Product Code Testing)

A company specializing in software tools for the automotive industry.

- Provided technical support and troubleshooting assistance to customers using VectorCAST, PC-Lint Plus, and Squore tools, efficiently addressing queries and resolving issues.
- Collaborated with cross-functional teams to develop and implement new features for tool releases, enhancing functionality and performance.
- Assisted in the integration and customization of tools to meet specific client requirements, ensuring a seamless user experience.
- Contributed to the continuous improvement and optimization of tools by incorporating feedback from customers and stakeholders

Associate Software Engineer 12/2022 - 06/2024

**People Tech** | Hyderabad, India

Project 1 - Instrument Panel Cluster (IPC)

A technology solutions provider specializing in software development.

- Developed a product to monitor key vehicle metrics including fuel range, speed, oil transmission, oil pressure, compass, outside air temperature, and PRNDL/M (Park, Reverse, Neutral, Drive, Load/Manual).
- Contributed to the development of all gauge components, ensuring accurate data representation.
- Conducted extensive testing on all gauge components to ensure functionality and performance.
- Identified and resolved defects during testing across various modules to improve product quality

Project 2 - Display bring up in Car Dashboard

A technology solutions provider specializing in software development.

- Worked on the development of car display and cluster systems for ICE and BEV vehicles.

## KEY ACHIEVEMENTS

### Achievement in Automotive and Aerospace Projects

Successfully contributed to multiple high-stakes projects in the automotive and aerospace sectors, showcasing technical expertise and problem-solving skills.

## SKILLS

- C
- C++
- Embedded C
- Windows
- Cloud
- Manual Testing
- Unit Testing
- Integration Testing
- Agile
- SCRUM

## TOOLS

- VectorCAST
- PC - Lint Plus
- Squore
- Jenkins
- Git
- GitHub
- QT
- Bitbucket
- Microsoft Azure
- Jenkins
- Visual Studio
- JIRA
- Canoe
- SharePoint
- Confluence
- ODI Simulator
- WECAN
- QNX
- GM Simulator
- Virtual Machine

- Focused on the implementation of gauges, info pages, alerts, and telltales displayed on the cluster screen.
- Developed new features based on client requirements and resolved bugs to enhance system functionality.
- Performed thorough testing of the cluster components of the car display to ensure performance and reliability

## COMPILERS

---

- GCC
- Tasking
- High-Tech
- IAR

---

Embedded C Developer 02/2022 - 12/2022

**Aadhya Aerospace** | Bangalore, India

### Project 1 - Flexi Nozzle Controller Actuator

A company focused on aerospace engineering solutions.

- The actuator is used to control the nozzle of the rocket to move in a different direction.
- Developed CRC-8-bit code for actuators used to control rocket nozzle movement in various directions.
- Created new features based on client requirements and resolved defects as they were identified.
- Conducted functionality testing of the actuator and fixed defects to ensure optimal performance.
- Delivered walk-through sessions and presentations to clients, explaining product functionality and features.

---

### Project 2 - Rotary Atomizer

A company focused on aerospace engineering solutions.

- Rotary atomizer utilizes a rotating cup and drones to sprinkle fertilizer.
- Developed speed controller components for the Rotary Atomizer, used in conjunction with a rotating cup and drones to sprinkle fertilizer.
- Tested the overall functionality of the Rotary Atomizer and resolved any identified defects.
- Delivered presentations and walk-throughs to clients, showcasing product features and functionality
- Conducted successful product demos at client locations, ensuring a thorough understanding of the system.

## EDUCATION

---

Bachelor of Engineering (EEE)

**St. Joseph's College of Engineering**

08/2016 - 05/2020 Chennai, India

Higher Secondary (12<sup>th</sup>)

**Vailankanni Matric Hr. Secondary School**

06/2014 - 05/2016 Bargur, India

SSC (10<sup>th</sup>)

**Maharishi International Residential School**

06/2012 - 05/2014 Chennai, India

## CERTIFICATION

---

### **Advance Diploma in Embedded C**

This course provides advanced knowledge and skills in Embedded C programming, essential for developing embedded systems.

## LANGUAGES

---

- English
- Tamil
- Telugu