

PRANESH JEWALIKAR

Embedded Software Developer

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📍 Pune, India



SUMMARY

Dynamic and highly skilled Embedded Software Engineer passionate about developing innovative solutions for embedded systems. Seeking a challenging role in firmware development, real-time operating systems, and low-level programming to create efficient, reliable, and cutting-edge embedded software solutions.

EXPERIENCE

Embedded Software Engineer

Applied Systems

📅 09/2023 - Present 📍 Mumbai

"Applied Systems manufactures Anti-Riot, Traffic Equipments in India."

- Specializing in laser speed measurement technology, high-definition cameras, and microcontroller programming (Arduino, Raspberry Pi).
- Involved in data synchronization, storage solutions, user interface design.

Internship

Larsen & Toubro

📅 01/2020 - 05/2020 📍 Mumbai

Larsen & Toubro (L&T) is a multinational conglomerate based in India, engaged in engineering, construction, manufacturing, information technology, and financial services.

- Engaged in the development of a VFD product, actively contributing to the implementation of C-based code encryption.
- Identified and resolved errors in various lines of code, while actively engaging in strategic discussions.
- Maintained Excel sheets for team strategy cycles and prepared presentations for product development revisions.

PROJECTS

C-DAC Project: IoT-Based Weather and Air Pollution Monitoring System

📅 01/2023 - 03/2023 📍 Pune

- Engaged in tasks related to data synchronization, storage solutions, and the design of user interfaces.
- Orchestrated data collection through strategically positioned sensors, enabling data-driven decisions for end-users.
- Developed an IoT system for real-time weather and air quality monitoring, employing cutting-edge technology.
- Specialized in delivering up-to-the-minute data, with a particular emphasis on regions adversely impacted by pollution.
- Orchestrated the collection of environmental data through strategically positioned sensors.
- Efficiently transmitted secure data via I2C to LCD displays and cloud servers for detailed processing and analysis.
- Enabled end-users to make data-driven decisions concerning personal health and environmental well-being.

B.Tech Project: Soldier Detection on War Field Robotic System

📅 01/2019 - 12/2019 📍 Aurangabad

- Designed a Surveillance Robot for battlefield operations, specializing in enemy detection and information gathering.
- Integrated infrared-equipped smartphone camera and Arduino UNO for secure data management.
- Utilized Arduino UNO to transmit and store signals efficiently, ensuring secure data management.
- Collaborated as a proactive team to gather critical intelligence and strong problem-solving skills, adopting a "Solution-Oriented" mindset.
- Implemented user-friendly push buttons to control the robot's movements.

SKILLS

C	C++	Embedded C	Git	Linux
Operating System	IoT	Python	RTOS	
Object-Oriented Programming	Arduino IDE			
SPI	I2C	CAN	UART	USART
ARM GCC				

EDUCATION

C-DAC Diploma In Embedded System and Design

[Sunbeam Infotech Private Limited](#)

📅 09/2022 - 03/2023

Percentage

61.2 / 100

B.Tech In Electronics & Telecommunication

[Maharashtra Institute of Technology](#)

📅 08/2017 - 09/2020

CGPA

6.18 / 10

Diploma In Electronics & Telecommunication

[Ambarwadikar's Institute Of Polytechnic](#)

📅 2013 - 2016

LANGUAGES

English

Advanced



Hindi

Proficient



Marathi

Native



PASSIONS



Bicycle Riding



Draw Sketch



Table Tennis

DECLARATION

I Confirm that the information provided by me is true to the best of my knowledge and belief.

Date-

Place-

PRANESH JEWALIKAR