

JAY KARANDKAR

Software Developer

Pune, India

+91 7030797618

jk.karandkar@gmail.com

SUMMARY:

Software development hands-on experience in designing and developing application using C++ and the Qt framework. Proficient in object-oriented programming, multi-threading, and GUI application development. Looking to expand skills and take on new challenges in a growing development environment.

SKILLS & EXPERTISE:

- ✓ Programming Languages: **C-C++, Embedded C**
- ✓ Frameworks & Technologies: **Operating System - Linux, Windows, Qt Creator**
- ✓ Communication Protocols: **UART, SPI, I2C, CAN**
- ✓ Database Management: **MS SQL Server**

EXPERIENCE:

Delta IoT Solutions, Pune

Graduate Trainee Engineer | March, 2024 – Present

- Received specialized training in C-C++ programming and Qt framework, gaining hands-on experience in developing software applications and building user interfaces.
- Continuously updated technical knowledge and skills by learning from industry best practices and attending internal training sessions.

Vehicle Dashboard

Technologies: C-C++, Qt Framework, Qt Widgets, SQLite

Description: Developed a sophisticated vehicle dashboard system using the Qt framework. The system provided real-time visualization of vehicle data including indicators, speedometer, battery level, and other diagnostics.

Roles and Responsibilities:

- Assisted in the development of application using Qt, improving familiarity with both GUI design and backend development.
- Implemented real-time data visualization for speed, battery level, and other vehicle parameters.
- Optimized performance and responsiveness of the dashboard for smooth operation.
- Worked on custom graphics and animations using Qt Widgets/QML to enhance the UI.

Library Management System

Technologies: C-C++, Qt Framework.

Description: The Library Management System is a software application designed to efficiently manage the operations of a library. This system aims to reduce manual effort, improve accuracy, and enhance the overall user experience for both library staff and members.

Roles and Responsibilities:

- Designed and developed a Library Management System using the Qt framework.
- Implemented features for book management, user registration, borrowing/returning books, and reserving books.
- Developed a user-friendly UI using Qt Widgets/QML for seamless interaction.

Success9 Tech Solutions, Pune

Embedded Intern | Jan, 2023 – June, 2023

Industrial Automation

Technologies: Embedded C, Embedded System, Communication Protocol – SPI.

Description: This project implements an industrial automation system using two microcontrollers, LPC2138 (ARM7) and PIC16F877A, communicating via the SPI protocol. The system aims to automate temperature monitoring, light intensity detection, and control of industrial equipment such as fans, lights, and buzzers based on environmental conditions.

Roles and Responsibilities:

- Design and developed “32-bit micro controller based embedded system designed and development”.
- Support to design and debug software for I2C drivers, testing complete project.
- White box and Black box testing.

EDUCATION:

B-Tech in Electronics and Telecommunication Engineering (2023) – VIIT, Pune.

CGPA – 7.76

HSC (2019) – Pvg’s Maharashtra Vidyalaya Jr. College, Pune.

Result – 62.31%

SSC (2017) – S.D. Katariya High School, Pune.

Result – 79.60%

DECLARATION:

I hereby declare that all the information provided is true and complete to the best of my knowledge and belief.

Date:

JAY KARANDKAR