

Name: Siddheshwar Dhole

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(Embedded Software Engineer)

MOBILE NO: 09515371812

|| CAREER OBJECTIVE

Looking for the post of engineering professional in an esteemed organization, where I am seeking for the challenging career which demands the best of my professional ability in terms of technical and analytical skills.

|| PROFESSIONAL SUMMERY

- Proficient in **C, C++, and Embedded C** programming for embedded system-level applications.
 - Proficient in object-oriented programming (OOP's) principles and the Standard Template Library (STL).
 - Experienced in developing **Qt/QML**-based GUI applications, ensuring clean, efficient, and maintainable code following best practices.
 - Hands-on experience in configuring and developing GUI applications using **Qt, QML**, and Widgets as per product requirements.
 - Skilled in unit testing and system testing, ensuring reliability and robustness of embedded software solutions.
 - Familiar with ARM architecture, including processor optimization, memory management, and low-level programming.
 - Experienced in SQLite database management, including designing, querying, and optimizing database solutions.
 - Strong understanding of communication protocols such as **SPI, I2C, UART, CAN, and TCP/IP** for seamless hardware-software integration.
 - Debugged and analyzed **CAN and LIN** bus communications using tools like **CANoe** for automotive applications.
 - Worked on various subsystems in Advance Driver Assistant System (ADAS) software.
 - Passionate about learning new technologies, self-motivated, and a quick learner with a problem-solving mindset.
 - Strong understanding of the Software Development Life Cycle (SDLC) and Software Testing Life Cycle (STLC).
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|| PROFESSIONAL EXPERINCE

- **Embedded Software Engineer**
Zavjet InfoTech Pvt. Ltd | Apr 2024 – Present (1 Year)
 - **Embedded Engineer**
Ielektron Technologies Pvt. Ltd | Sep 2022 – Mar 2024 (1.7 Years)
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|| PROFESSIONAL SKILL

- **Languages** : C, C++, Embedded-C/C++, Python basics.
- **MP/MC** : ARM-CORTEX-A/M.
- **Tools known** : Keil IDE, QT Creator, Visual Studio, CANoe, PTC Integrity.
- **Database** : SQLite.
- **Compilers** : GCC, G++.
- **Protocols** : I2C, SPI, UART, TCP/IP, CAN, LIN, UDS.
- **Op. System** : Windows & Linux (Ubuntu)
- **Other Skills** : SDLC/STLC processes, Unit Testing, System Testing.

|| PROJECTS

Project#1: Info-shield Distribution Framework

- **Role:** Developer
- **Environment:** Embedded-C++, QT Creator, ARM-CORTEX-A.

Description: Our initiative facilitates the shift from one forms record-keeping to other system, guaranteeing enhanced security for production data. Through an initiative interface we streamline transactions, prioritizing safety and ensuring data authenticity in interactions.

Responsibilities:

- Generate detailed documentation covering designs, architecture, and code structures.
 - Work collaboratively within our team to translate design specifications into operational UI's utilizing QML.
 - Implemented C++ backend code functions that complement the icons.
 - Debugging the issue and providing fix for it.
 - Responsible for Embedded coding that can be easily reused for future development.
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Project#2: Seat Control ECU for Driver and Co-driver

- **Role:** Developer
- **Environment:** Embedded-C, Visual Studio, CAN, LIN

Description: The project aims to enhance driver and co-driver comfort by integrating various sensors. These sensors monitor driver health and ensure optimal seat positioning, heating, ventilation.

Responsibilities:

- Developed firmware to handle message transmission, reception, and error handling **in CAN and LIN**.
 - Integrated CAN and LIN transceivers with the microcontroller, ensuring proper communication.
 - Configured and tested CAN/LIN protocols, ensuring data integrity and real-time performance.
 - Debugged communication issues using tools like CANoe, CANalyzer.
 - Conducted debugging and troubleshooting of firmware issues.
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Project#3: Mid-Range Radar (MRR) for Fisker SUV.

- **Role:** Developer / Tester
- **Environment:** CANoe, PTC Integrity, MITE

Description: The Mid-Range Radar (MRR) project is being developed as part of the ADAS solution for FISKER Ocean SUV vehicle. The MRR shall function as a subsystem of the ADAS system and is intended to detect and report surrounding objects with their object type and dynamic characteristics.

1. **Object Type:** vehicles, pedestrian, bicycle, motorcycle, free Space detection, tunnel detection.
2. **Object Characteristics:** speed, distances from host.

Responsibilities:

- Understanding Software Requirement Document.
- Analyzing and identifying testable requirement from SRS.
- Preparing test specs, test cases as per customer requirements.
- Analyzing and reporting the bugs found in the software with Defect Report
- Executing assigned features like Power Behavior, Dealer Calibration, Boot loader and Flashing,

|| EDUCATION QUALIFICATION

- **Bachelor of Engineering (B.E.) in E&TC Engineering.**
Sant Gadge Baba University, Amravati – 2020.
- **Diploma in Engineering.**
MSBTE, Mumbai – 2017.
- **Higher Secondary Certificate (H.S.C.)**
Maharashtra State Board – 2014.
- **Secondary School Certificate (S.S.C.)**
Maharashtra State Board – 2012.

|| FIELD OF INTREST

- Embedded System.
- Automotive
- Electronics
- Research and Development
- IOT
- Robotic

|| PERSONAL DETAILS

- Date of Birth : 09/06/1996
- Nationality : Indian
- Marital Status : Unmarried
- Languages : English, Hindi, Marathi.
- Address : Washim, Maharashtra-444506.

|| DECLARATION

I hereby declare that the information given herewith is correct to the best of my knowledge and I will be responsible for any discrepancy.

Signature
(Siddheshwar)