SHWETASHREE GANAJALKHED

Embedded Developer

📞 9945970385   @ shwetaganajalkhed@gmail.com   🔗 LinkedIn: Shwetashree Ganajalkhed   📍 Bengaluru

SUMMARY

Motivated and results-driven engineer with 4 years of experience in embedded systems, software development, and automotive technologies. Proficient in C++, Python, AUTOSAR, and Agile methodologies. Recognized for delivering high-quality solutions, improving system performance, and contributing to innovative projects in the automotive domain.

EXPERIENCE

BOSCH GLOBAL SOFTWARE TECHNOLOGIES (BGSW)

LOG Domain Developer

📅 06/2022 - 08/2024   📍 Bengaluru

- Designed and implemented system and debug logs for communication between application units and DLT.
- Resolved critical bugs in existing modules and solved a critical logging issue that hindered the display of all log levels in verbose mode, improving ECU performance tracking by 30% during production.
- Led feature development including requirements breakdown, defining acceptance criteria, ensuring compliance with AUTOSAR standards.
- Enhanced system performance by implementing log messages in AUTOSAR standard format.
- Collaborated with cross-functional teams to deliver projects 15% ahead of schedule.

VRTE Embedded Developer

📅 01/2021 - 06/2022   📍 Bengaluru

- Developed Adaptive AUTOSAR function clusters for Vehicle RunTime Environment with >95% unit and functional test coverage.
- Optimized development workflows reducing development time by 20%.
- Ensured code compliance with MISRA guidelines, improving code quality.
- Conducted peer code reviews maintaining high coding standards.
- Delivered client-requested reports and documentation with 100% adherence to project timelines.

Developer

📅 01/2020 - 01/2021   📍 Bengaluru

- Designed and developed a data management system for Over-The-Air (OTA) updates.
- Utilized C++ and Python to create robust solutions that improved system efficiency by 25%.
- Collaborated with stakeholders to gather requirements and deliver aligned solutions.
- Contributed to the development of embedded systems with seamless integration.

EDUCATION

Bachelor of Engineering in Electronics and Communication

JSS Science and Technology University (formerly SJCE)

📅 08/2016 - 05/2020   📍 Mysuru, Karnataka

GPA **8.3** / 10

LANGUAGES

English
Native
●●●●●

Hindi
Proficient
●●●●○

Kannada
Native
●●●●●

AWARDS AND ACHIEVEMENTS

💎 **SAFe Certified**
Expertise in Embedded Systems and Agile Development

💡 **Spot Award at Department Level 2022**
Recognized for significant contributions and innovative solutions in the field.

🏆 **Fresher of the Year 2021**
Awarded for outstanding performance and development capabilities.

SKILLS AND TOOLS

AUTOSAR   C/C++   Python   Azure

Agile   Docker   Conan   RTC

Adaptive AUTOSAR   SAFe   DOORS

Vehicle RunTime Environment(VRTE)   CANoe

MATLAB   QTCreator   Android Studio

Jenkins   Visual Studio Code   Unit Testing

Functional Testing   Arduino

PROJECTS

Automatic Water Dispenser using Arduino UNO

Designed a system with custom temperature and quantity inputs using C programming

Face Recognition Security System

Implemented a security system using Artificial Neural Networks and MATLAB.

Quiz World Android App

Developed an interactive quiz app using Java, JavaScript, and Android Studio.