

GANDLA BHARGAVI

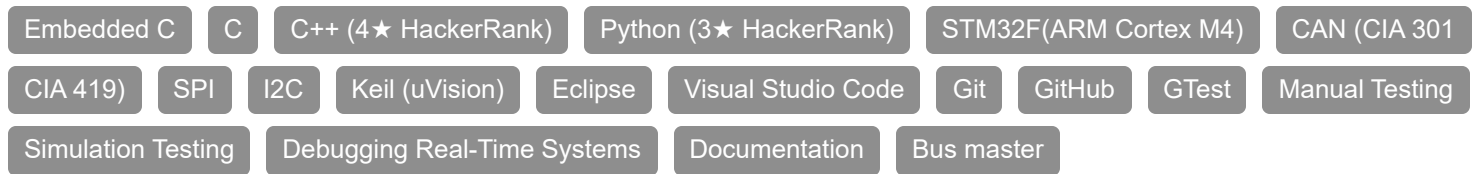
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Summary

Senior Software Engineer with 4 years of experience in embedded software development, firmware testing, and real-time systems. Expertise in telematics applications, battery management systems (BMS), GTest-based validation, STM32 microcontrollers, and CAN protocols. Regularly utilize AI tools like ChatGPT and GitHub Copilot to enhance code quality, logic writing, and commit best practices. Seeking to leverage strong technical expertise in a challenging Senior Software Engineer role.

Skills



Experience

Tata Elxsi

Senior Software Engineer

May 2023 - Oct 2024 Bangalore

- Delivered GTest support for GNSS models, enhancing validation of V2X team.
- Developed alerts for overspeed, low battery, and refueling in vehicle telematics applications.
- Conducted feasibility study for geofence module using mathematical libraries and simulations.
- Designed and executed test cases ensuring high reliability of software.
- mentored junior developers; improved team efficiency by 20%.

Green Cubes Technology

Embedded Firmware Developer

Oct 2018 - Mar 2021 Bangalore

- Developed embedded systems for Battery Management Systems (BMS) using STM32 microcontrollers.
- Ported an existing bootloader to a different STM32 microcontroller, adapting memory mapping and flash configurations.
- Implemented CAN communication protocols following CIA 301 and CIA 419 standards.
- Created simulation test plans, validated safety disconnect latch and cell balancing.
- Debugged critical firmware issues and maintained source code using Git.
- Documented test cases, procedures, and system validation reports.

Education

Vellore Institute of Technology

M.Tech – Automotive Electronics, CGPA: 8.15/10

2018 Vellore

SCSVMV Deemed University

B.E – Electrical and Electronics Engineering, CGPA: 8.67/10

2014 Kanchipuram

Certifications

- Hacker rank -Problem Solving (Basic) –(<https://www.hackerrank.com/profile/gandlabhargavi6>)
- Certified Great Learning ChatGPT for Coders
- Embedded Systems and Automotive Domain

- certified log2base2 C Programming
- certified log2base2 Python Programming
- C Beginners Programming
- Embedded Systems with Mbed
- Jupyter Notebook
- Getting Started with GitHub Copilot

INTERESTS

- Pencil Sketching and Basic Drawing
- Listening to Music
- Playing Badminton (Shuttle)

AI & Productivity Tools

- ChatGPT for code debugging, problem-solving, and improving code quality
- GitHub Copilot for writing efficient comments, clean commits, and improving development speed