SIDDAROOD KARACHURI

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Accomplished Embedded Systems professional with a rich background spanning Mysuru and Vadodara. Previously, I served as an Embedded Platform Engineer in Mysuru, contributing to the development and optimization of embedded systems. I have since transitioned into a Full Stack Developer role, currently working in Vadodara. My diverse experience has equipped me with a well-rounded skill set to tackle challenges in both Embedded Systems and Full-Stack Development.

EXPERIENCE

EMBEDDED PLATFORM ENGINEER

L&T Technology Services | Mysuru, Karnataka

MAY 2022 – JUNE 2023

- Developed applications in C to validate device driver functionality on hardware, ensuring thorough testing for proper hardware design and functionality verification.
- Contributed to the platform by porting diverse features to new car types, conducting functionality testing, and actively resolving Jira issues posted by team members.
- Utilized tools such as Jira, Serial downloader, TortoiseSVN, A2B Analyzer, Notepad++, and Understand tool to streamline development processes.
- Applied development roadmap and business model hierarchies for task prioritization and collaborated seamlessly with software, firmware, and hardware engineers to deliver comprehensive embedded solutions.
- Designed embedded hardware, firmware, and interfaces tailored for the Transportation industry.

FULL STACK WEB DEVELOPER

L&T Technology Services | Vadodara, Gujarat

JULY 2023 – PRESENT

- Expertise in creating dynamic UIs with React JS and Java Play Framework for a full-stack development approach.
- Proficient in front-end technologies such as HTML, CSS, JavaScript, and Material UI to deliver seamless user experiences.
- Specialization in implementing robust security measures and optimizing databases for enhanced functionality.
- Utilization of task management tools like Jira to ensure project efficiency and team collaboration.
- Experience in comprehensive X-ray and unit testing practices for maintaining a dependable system.
- Skills include working with MS SSMS, GitHub, Postman, and IDEs like IntelliJ IDEA and Visual Studio Code for efficient development workflows.

TRAINING AND CERTIFICATION

- C Programming on Multiple Approach – PBL Platform
- Mastering Microcontroller with Embedded Driver Development
- Essentials of Embedded Systems
- Applied SDLC and Software Testing
- Overview of Automotive Systems
- Deep Drive to Unified Diagnostic Services (UDS) over CAN
- CAN Network simulation in CANoe and CAPL Scripting
- Applied Control System and Vehicle Dynamics
- Model Based Design (Model, Software, Hardware in Loop)
- Classic AUTOSAR: Beginner
- Essentials of Python
- The complete 2023 web development bootcamp – Udemy

EDUCATION

BACHELOR OF ENGINEERING

BMS Institute of Technology and Management | Bengaluru, Karnataka

October 2021 | 7.84 CGPA | Electrical and Electronics Engineering

DIPLOMA IN ENGINEERING

The Oxford Polytechnic | Bengaluru, Karnataka

July 2018 | 79.33% | Electrical and Electronics Engineering

SSLC

Athani Vidyavardhak High School | Athani, Karnataka

March 2013 | 72.48%

SKILLS

- C Programming
- Tortoise SVN
- Jira
- STM32Cube
- Cygwin
- Serial downloader
- TortoiseSVN
- A2B Analyzer
- Understand tool
- Notepad++
- ReactJS
- HTML, CSS, Javascript
- Java Play Framework
- MS SSMS
- GitHub
- Postman
- IntelliJ IDEA
- Visual Studio Code
- Material UI

LANGUAGES

ENGLISH

Professional Working Proficiency

KANNADA

Native or Bilingual Proficiency

HINDI

Professional Working Proficiency

INTERESTS

- Cycling
- Photography
- Trekking
- Reading Books