

# 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.

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## 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.

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## TRAINING AND CERTIFICATION

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

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## 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
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## LANGUAGES

### ENGLISH

Professional Working Proficiency

### KANNADA

Native or Bilingual Proficiency

### HINDI

Professional Working Proficiency

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## INTERESTS

- Cycling
  - Photography
  - Trekking
  - Reading Books
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