

**Key Expertise:**

B.E in Electrical and Electronics with 2.3 years in Embedded Technologies and Full-stack Development, demonstrating proficiency in C Programming, JavaScript, React JS, Java Play Framework, MS SQL, Node.js, Material UI, Swagger, SBT, and other technical skills.

**Experience Summary**

I am currently employed as an Engineer at L&T Technology Services Ltd in Vadodara, where I have been contributing since November 2021 and continue to be an active member of the team

**Work Summary**

- Developed a comprehensive Employee Management System from March to October 2023, showcasing full-stack development expertise, robust security, efficient database management, and task tracking integration. Leveraged a technology stack including React JS, Java (Play Framework), MS SQL, and Jira for seamless project execution.
- Played a pivotal role as a Microcontroller Platform Engineer in the innovative BOSE Puffin project, specializing in supporting and enhancing the P33A and P13C amplifiers. Proficient in software flashing, debugging, and the application of programming languages, including C and Python.
- Demonstrated in-depth knowledge of communication protocols, such as SPI, I2C, UART, and RS232, ensuring seamless integration of advanced technologies.
- Excelled in effective source code management and revision control using SVN, enhancing project collaboration and code quality.
- Leveraged a comprehensive understanding of both Windows and Linux operating systems to deliver robust solutions.
- Strong written and oral communication skills facilitated effective team collaboration and streamlined project development.

**Skills**

Domain	Power and Utilities
Tools	Visual Studio Code, IntelliJ IDEA, Material UI, React JS, MSSQL, SSMS, JIRA, Postman, GitHub, Cygwin, Jira, Serial downloader, TortoiseSVN, A2B Analyzer, Notepad++, Understand tool.
Technologies	C programming, Python, React JS, Material UI, MSSQL, Postman
Programming /Simulation Tools	C, Python, Java Script, Java (Basic)

**Educational Qualification & Training**

Trainings	Trained on C, Python, Embedded Systems from GEA LTTS.
B. E	Electrical and Electronics Engineering completed in 2021

**Project Details****Project 1:**

Project Name	<b>BOSE PUFFIN</b>	Duration	September 2023 to March 2023
		Team Size	2
Description	Writing a small application to validate working of device driver on hardware. To verify the hardware design and tested to ensure the proper functionality.		
Role & Contribution	<b>Role:</b> Platform Engineer  <b>Contribution:</b> <ul style="list-style-type: none"><li>➤ Porting different features to new car types.</li><li>➤ Functionality testing.</li><li>➤ Solve the Jira posted by other members of the team</li></ul>		
Coding Language	C Program		
Tools	Jira, Serial downloader, TortoiseSVN, A2B Analyzer, Notepad++, Understand tool.		

**Project 2:**

Project Name	<b>EMPLOYEE MANAGEMENT SYSTEM</b>	Duration	March 2023 to October 2023
		Team Size	4
Description	A comprehensive and efficient Employee Management System designed and developed to enhance employee data management. This project showcases a broad range of skills and technologies in both front-end and back-end development, database management, security, and software development.		
Role & Contribution	<b>Role:</b> Full Stack Developer  <b>Contribution:</b> <ul style="list-style-type: none"> <li>➤ Front-End Excellence: Designed and developed an intuitive, responsive user interface using JavaScript, jQuery, React JS, and Material UI, enhancing the user experience.</li> <li>➤ Robust Security: Implemented stringent security measures, including user authentication and database security, safeguarding sensitive data.</li> <li>➤ Efficient Database Management: Optimized data retrieval in MS SQL through schema design, indexing, keys, and joins, ensuring fast access</li> <li>➤ Streamlined Task Tracking: Integrated Jira for improved task management, enhancing project visibility and team collaboration.</li> <li>➤ Quality Assurance: Conducted thorough X-ray and unit testing to identify and resolve issues early, ensuring a dependable system.</li> </ul>		
Coding Language	<b>Languages:</b> JavaScript, Java, SQL <ul style="list-style-type: none"> <li>➤ Front-End: React JS, HTML, CSS, jQuery</li> <li>➤ Back-End: Java (Play Framework)</li> <li>➤ Database: MS SQL,</li> <li>➤ Database schema design Security: User authentication, Database security</li> <li>➤ Version Control: Git Development</li> <li>➤ Tools:</li> <li>➤ Testing: X-ray testing, Unit testing</li> <li>➤ Documentation: Swagger for API documentation, Jira integration</li> </ul>		
Tools	Visual Studio Code, IntelliJ IDEA, Material UI, React JS, MSSQL, SSMS, JIRA, Postman, GitHub		