Sanket Nalawade

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Summary

Recent Electronics Engineering graduate with hands-on experience in PCB testing, troubleshooting, and quality control, gained through my tenure at Bharat Electronics Limited. I have developed a strong technical foundation in Python, C/C++, and embedded systems, combined with practical problem-solving skills. I am seeking a position where I can apply my knowledge in electronics and software development to contribute to innovative projects and drive technological advancements in your organization.

Experience

Bharat Electronics Limited | Pune
Graduate Trainee | 10/2023 - 10/2024

- Conducted PCB testing and troubleshooting in the Development and Engineering department, focusing on the **Airborne LRF**, **Lights LRF**, and **SBCFL Project**.
- Played a key role in the design and manufacturing process of these Laser Range Finders (LRFs), ensuring high standards of quality and performance.
- Implemented and refined quality control measures to enhance product reliability across various LRF projects.
- Analyzed test results, providing insights and recommendations for continuous improvement of LRF products.
- Collaborated with cross-functional teams to ensure successful project outcomes, particularly in the development of innovative LRF technologies.

Bharat Electronics Limited | Pune
Intern | 03/2023 - 08/2024

- Worked on the **T-90 LRF** project, assisting senior engineers in the testing and validation of LRF products used in defense applications.
- Developed detailed test plans and procedures, executed unit tests, and troubleshot defects to ensure the functionality and reliability of T-90 LRFs.
- Supported the engineering team in the refinement of testing methodologies and contributed to the overall success of the T-90 LRF project.

Education

Dr. Babasaheb Ambedkar Technological University | Raigad, Maharashtra
Electronics and Telecommunication | 08/2023

- **CGPA**: 7.98
- **Relevant Coursework**: Arduino, IoT, Embedded Systems, App Development.
- **Key Projects**:
  - **Smart Irrigation System (March 2021 - August 2021):** Developed an automated irrigation system using Arduino, IoT, and sensors, enhancing agricultural efficiency.
  - **Car Speed Detection (March 2022 - August 2022):** Created a system for detecting vehicle speed using Arduino and IR sensors, contributing to road safety initiatives.
  - **Restaurant Management System (September 2022 - February 2023):** Designed a Python-based GUI application for streamlining restaurant billing processes.

Skills

- **Technical Skills**: PCB Troubleshooting, PCB Designing (CADSTAR), Lab Equipment (Oscilloscope), Soldering, STM32, Arduino.
- **Programming**: Python, C/C++, Git, Web Development.
- **Tools & Platforms**: STM32CubeIDE, Arduino IDE, Tkinter (Python).