

Shrutika Wankhade

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EXPERIENCE

- Honeywell technology solutions lab pvt. ltd** Bangalore
Embedded Engineer II *October 2023 - Present*
Embedded Engineer I September 2021 - October 2023
 - Responsible for the development of real-time embedded software applications on Linux Platform in C/C++ for the AEROSPACE domain.
 - Debugging, optimizing and validating firmware on complex embedded multi – core architectures.
 - To Analyze domain-specific low-level high-level requirements and modifications as per the system requirements.
 - Peer review debugging on cross compiler platform and resolving complex problem by using test benches and tools like OA debugger, Xilinx debugger and VS debugger.
 - Good understanding DO178 standards.
 - Collaborated with cross-functional teams to ensure software quality and performance.
 - Applied agile principles involving detailed design, breakdown, time estimation, leading to on time delivery of high task quality software
 - Effectively Mentored junior associates ensuring project success within the time-frame by providing guidance, feedback and adhering to guidelines
- Vector India Pvt. Ltd** Bangalore
Trainee Embedded Engineer *March 2021 - September 2021*
 - Trained for the development of real-time embedded software/firmware applications on Embedded Linux Platforms in C/C++.
 - Trained for the Embedded systems, operating system Linux and TCP - IP communication protocols.
 - Understanding of microcontrollers like 8051

PROJECTS

- Real Time Weather Monitoring System:** To collect and store various parameter like temperature, light intensity as data through different sensors and implement a logger system which converts this data into a meaningful format using 8051 Microcontroller. We used C Programming language. My role was to hardware design and implement in board IC communication with Analog to Digital converter. Writing logic for communication with LCD and 8051 microcontroller, cross compilation, Reading and writing operation.
- Password Management System:** In this project I designed the Proposed System for password management. In this system I design operation to set, reset, enter password. We used C Programming language. Implemented Protocols: I2C Protocol My role was to hardware design and implement in board IC communication Protocols between microcontroller, writing logic for the control unit and communication with LCD, Cross compilation, Reading and writing operations.

SKILLS SUMMARY

- **Languages:** C/C++, Embedded C
- **Frameworks:** RTOS
- **Protocol:** UART, I2C, SPI, TCP/IP
- **Tools:** Bit bucket, JIRA, Confluence, Open Arbor debugger, VS debugger, Xilinx SDK, SonarQube
- **Soft Skills:** Leadership, Event Management, Public Speaking, Time Management

EDUCATION

- **Government college of Engineering, Amravati** Maharashtra, India
Bachelor of Technology - Electronics and Telecommunication; GPA: 8.08 *Aug 2017 - Oct 2020*

HONORS AND AWARDS

- Recipient of the prestigious Spandan Foundation Education Scholarship
- Got recognized for Honeywell's 8 Behaviors Be committed, Act with urgency, Be a Zealot for Growth, Be Courageous and from the higher management at Honeywell Technology Solutions Lab Pvt. Ltd