

## Govardhan Mogili

### PROFESSIONAL SUMMARY

Senior Engineer | Embedded Systems & SoC Validation

3.3+ years of experience in developing and validating firmware, software for embedded systems. Proficient in C programming, microcontroller and SoC validation. Skilled in debugging, hardware-software integration, and Pre-Silicon validation. Strong team collaborator with a focus on delivering innovative and efficient embedded solutions.

### Experience

L and T Technology Services – Engineer

Bangalore, Karnataka

09/2022 – Current

- Developing Code to enumerate and discover CXL card in the system
- Developing Code to find the number of CXL Cards in the system
- Validating CXL Card By giving stress using perspec tool by cadence.
- Validating Coherency and DSA domains on Zebu board.
- Validation AI processors for Intel specific to Acceleratos.

L and T Technology Services – Associate Engineer

Bangalore, Karnataka

10/2021 – 09/2022

- Register Access and Interrupt Modes verification for GPIO in Zephyr OS.
- IPC Communication content development on Zephyr OS.
- Developed and optimized Test Cases for better performance.

### Awards & Honors

- SPOT Award – Awarded for outstanding performance L and T technology Services, Jun 2022.
- SPOT Award – Awarded for outstanding performance L and T technology Services, Nov 2023.
- Star Performer – Awarded for handling critical issue in L and T technology Services, May 2024.
- Star Performer – Awarded for handling critical issue in L and T technology Services, Nov 2024.

### Other interests

Sports: Basketball (University Team Player).

Completed NCC C Certificate.

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### Core Qualifications

- Programming Languages: Embedded C Programming, Basics of Java, Basics of C++.
- Communication Protocols: GPIO, SPI, I2C, UART, CXL.
- Operating Systems: Linux, Zephyr OS
- Tools: Debugger, Perspec Zebu, Verdi, Coherency Tool
- Version Control System (e.g., Git)

### Education

2021

**K L DEEMED TO BE UNIVERSITY**

Guntur.

**B.Tech:** Electrical and Electronics Engineering (CGPA – 8.23)

- Published IEEE paper on “Robust Algorithm on State Estimation of a Battery”.

2017

**Narayana Junior College**

Hyderabad.

Intermediate: M.P.C (82%)

2015

**Hindu Public School (CGPA – 9.4)**

Hyderabad.