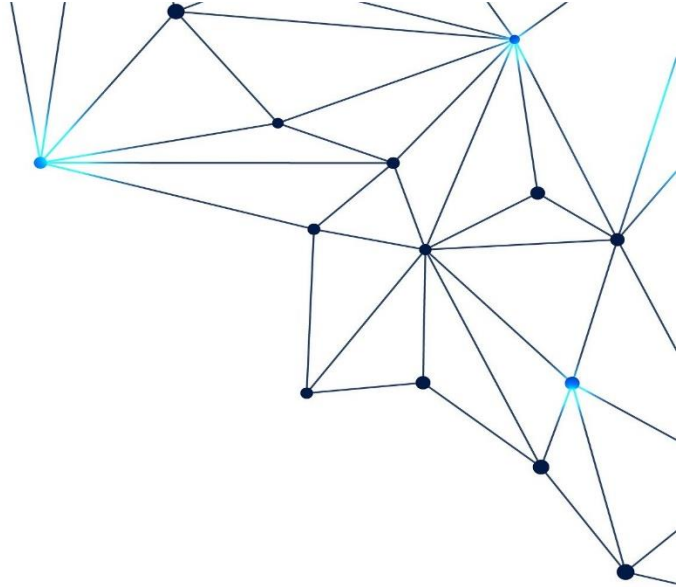




Let's **Make** a Difference



About Symbiotic Tech

Symbiotic Tech aims to improve the quality of life for amputees by building intuitive, cost-effective assistive technology. Currently we are building a high-tech prosthetic arm for Upper-limb amputees.

Founded in 2019, Symbiotic Tech is a Start-up based in Chennai, India with a primary objective to make functional prosthetic available and affordable to everyone.

Symbiotic Tech's **Vision** is to Disrupt the existing assistive technology landscape. We believe that accessibility is a fundamental right and work towards building technologies that enable differently abled people to achieve independence through innovation.

Our team researches, designs, and develops new technologies and hardware to make Intuitive and affordable assistive devices. Whether finding new ways to capture and sense the signals from the human body, advancing form factors, or improving interaction methods, our team is making people's lives better through technology.

Job – Summary

Embedded Systems

1. Brainstorming solutions with the team, contributing creative inputs, understanding problems in the first principles.
2. Coordinating with product development teams to develop embedded systems for products.
3. Designing and implementing software for embedded devices and systems from requirements to production and commercial deployment
4. Designing, developing, coding, testing, and debugging system software and integrating and validating new product designs

Minimum Qualification:

- Bachelor's degree or equivalent practical experience.
- 0 to 3 years of work experience in Embedded Systems development.
- Software development experience in C or C++.
- Python – Linux - Raspberry Pi - Circuit Design / PCB Design - C++ Programming.

Preferred qualifications:

- Experience designing and developing for multiprocessor SOCs.
- Experience with bare-metal or RTOS-based microcontroller development.
- Experience with of one or more of the following: microcontrollers, SoC, DSP, device drivers, hardware bring up, power management, performance optimization, file systems, boot loading, JTAG debuggers, firmware, or hardware/software integration.
- Performance analysis and optimization experience in the domains of embedded systems or machine learning.
- Experience working with chipset vendors and/or contract manufacturers.
- Ability to work across multiple teams.

About the job

Symbiotic Tech's engineers develop the next-generation assistive technologies that radically transform lives. We're looking for future world-class engineers who bring fresh ideas from several domains. As an embedded engineer, you will work on a specific project critical to Symbiotic Tech's.

We need our engineers to be versatile, display leadership qualities and be enthusiastic to take on new problems across the full-stack as we continue to push technology forward.

With your technical expertise you will manage project priorities, deadlines, and deliverables. You will design, develop, test, deploy, maintain, and enhance software solutions.

Symbiotic Tech's mission is to build affordable and functional prosthetics to help amputees regain functional independence. Our Devices & Services team combines the best of AI, Software, and Hardware in order to create radically helpful experiences for our users.

Responsibilities

- Architect, design, and develop software for embedded processors within next generation immersive computing products.
- Write robust, reliable, efficient, and testable low-level software to interface with sensors, displays, wireless chipsets, and other peripherals.
- Optimize and tune system power and performance across the stack and enable hardware by bringing up the operating system and devices.
- Work closely with other teams on solving cross-functional problems to create compelling experiences on highly-customized hardware platforms.
- Write factory tests to ensure hardware is functioning correctly on the assembly line, and work closely with chipset vendors and contract manufacturers.
- The ideal candidates will be a part of Symbiotic Tech Projects, develop embedded software.
- Participate in the product development lifecycle including in Design and Code Reviews
- Develop test procedures, run tests, and write test documentation to verify software functional requirements

Job Location – Chennai, Tamil Nadu.

Perks

Flexible work hours - Informal dress code - Free snacks & beverages

Compensation and Benefits

We want our employees to grow with us.

Our base CTC is **2.5 – 3 L per annum.**

Additionally we also provide:

- Travel expense reimbursement.
- ESOP (Employee stock options) *
- Bonus**
- Increments in a timely fashion.

*3 years Vesting period

** Based on performance/outcome and company milestones