

S U R Y A V A R D H A N



EMBEDDED ENGINEER

[HTTPS://SURYEAH.GITHUB.IO/](https://suryeah.github.io/)

CONTACT

Address

Bangalore, Karnataka, India 560091

Mobile:

+91.8870858022

Email:

surya_24@live.com

TRAINING & CERTIFICATONS

- Regenerative Breaking for ARJUN MARK 3 MBT [R&D], DRDO - CVRDE, 2017
- Advanced Embedded Systems, Vector India, 2019

SKILLS

C	<div><div></div></div>
C++	<div><div></div></div>
Embedded C	<div><div></div></div>
Python	<div><div></div></div>

LANGUAGES

English	<div><div></div><div></div><div></div><div></div></div>
Tamil	<div><div></div><div></div><div></div><div></div><div></div></div>
Telugu	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Hindi	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Kannada	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>

PERSONAL INTERESTS

Hobbies:

- Traveling to new unknown places
- Surfing for new tech gadgets online.
- Innovating new devices or equipment

ABOUT ME

To obtain a challenging position in a high-quality engineering environment where my resourceful experience and academic skills will add value to organizational operations also helps in quenching my zeal towards innovation and its development.

EDUCATION

Veveaham Hr Sec School

Completed
March 2013

CIET

Graduated
April 2017

PCMC, High School

State Board – Marks 82%
Tirupur, Tamil Nadu

Mechatronics, Bachelor of Engineering / Bachelor of Technology

Anna University – Marks 65.1 [CGPA]
Coimbatore, Tamil Nadu

EXPERIENCES

Embedded Engineer SENPRONICS

October 2019 -
Current

- Develop Involve in firmware/embedded software development for Sustenance Engineering for existing production products and product enhancements.
- Conduct technical investigation, anomaly replication and root cause analysis systematically and effectively. Be able to establish the probable root-causes based on symptom provided at the system level
- Creating Data Sheet and Brochure for developed products.
- Provide post-production support when necessary Develop, code, test, and troubleshoot the system software
- Analyze, monitor, and improve efficiency, the stability of the system Interface with hardware design and development
- Maintain the organization's central server network. Includes configuration of LAN, WAN, HUB, NAS. [N/W Admin]
- Interact with client and Development team to get the project delivered as desired by clients.
- Attend meetings with new clients to understand the complexity of the project and provide feedback about taking up the challenge.
- Recruitment of Technical Staffs.
- Marketing of our products.



COMPUTER PROFICIENCY

Time Pass:

- Investing time in learning new technology by doing projects.
E.g. I created a static webpage of my projects and projects using HTML5 & CSS3 and hosted it on GitHub. Scan QR on top to visit.
- Repair and maintain me motorbike and bicycle.



PERSONAL INFORMATION

Birthday:

14/12/1995

Gender:

Male

Father's Name:

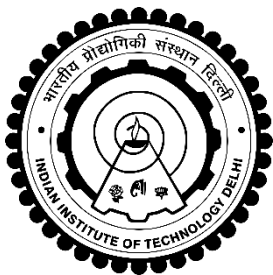
Mr. Manikandan

Nationality:

Indian



CLIENTS HANDLED



DECLARATION

I, Surya Vardhan, hereby declare that the information contained herein is true and correct to the best of my knowledge and belief.

Surya Vardhan

Bangalore, Karnataka

18/03/2021

Operating Systems

ARM Cortex M3 [STM32F103RCBT6]	8051 [AT89S52, N76E003, ATmega329]	ARM Cortex M4 [MK66FXM0VMD18]
ARM Cortex M7 [IMXRT1062DVJ6A]	ARM Cortex M0 [STM32F030C8T6]	ARM 7 [LPC214x]
CAN	UART, I2C, SPI, TCP/IP	

Software's

Keil MDK	Arduino IDE	ESP-IDF
Wireshark	Solid Edge	NI LabVIEW
PyCharm	Visual Studio Code	



PRODUCTS DEVELOPED

RF Signal Generator

Role: Firmware Developer. Team Size: 2
 H/W: AD9951 / AD9959, STM32F0103, OLED, 4*4 Keypad
 S/W: LabVIEW. STM32CubeIDE
 Clients: East-West Engineering collage & other collages

Earthquake Detector

Role: System Developer. Team Size: 3
 H/W: ESP32-D0WDQ6, ADXL345, Geophone
 S/W: TCP Client – Putty, ESP-IDF
 Client: National Institute of Rock Mechanics

Portable Seismic DAQ Unit

Role: Project Lead. Team Size: 2
 H/W: RPi 3 Mod B, AT mega 328P, LTC1859, LiPo Battery Pack
 S/W: Linux Distro for RPi. Terminal
 Client: National Institute of Rock Mechanics

High Precision Remote DAQ

Role: Firmware Developer. Team Size: 2
 H/W: DS162 Spartan 6 FPGA, MK66FX1M0VMD18, ESP32-D0WDQ6
 S/W: TCP Client – Kitty, Arduino IDE, ESP-IDF
 Client: Indian Railways

RF2.4GHz Remote Tree Climber

Role: Firmware Developer. Team Size: 2
 H/W: N76E003, nRF24L01+, ULN2003, LiPo Battery Pack
 S/W: Keil µVision 5
 Client: Indian Railways