

# SRINATH S

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## EXPERIENCE

FEB 2021 – PRESENT

**PROGRAM INTERN, FORGE**

- Design & Development of Prototypes for testing and deployment,
- Volunteer in day-to-day operation and execution of Innovation programs and events organized by forge.

SEP 2020 – JAN 2021

**INNOVATION ENGINEER TRAINEE, FORGE**

- Worked on MUP for an open-source Low cost ventilator during Pandemic period,
- Part of ProtoSem, A 20-week, full-semester course, during which students are nurtured & guided to develop core technical concepts and key engineering skills and are transformed into 'Innovation Engineers'.

## EDUCATION

2018 – PRESENT

**BACHELOR'S DEGREE ON ELECTRONICS AND COMMUNICATIONS ENGINEERING, KUMARAGURU COLLEGE OF TECHNOLOGY**

CPGA : 8.6 /10

2016 - 2018

**COMPUTER SCIENCE STREAM, GD MATRIC HIGHER SEC SCHOOL**

Percentage : 92.3%

2015

**SSLC, SRI RAMAKRISHNA MATRIC HIGHER SEC SCHOOL**

Percentage : 96.6%

## SKILLS

**TECHNICAL EXPERTISE:** EMBEDDED SYSTEM DESIGN, MICROCONTROLLERS, INTERNET OF THINGS (IOT), PCB DESIGNING

**TOOLS & TECHNOLOGIES:** ARDUINO, EAGLECAD, LIBRECAD, RASPBERRY PI, KICAD, PROFICIENT IN EXCEL

**PROGRAMMING LANGUAGES:** PROFICIENT IN EMBEDDED C, INTERMEDIATE IN PYTHON, INTERMEDIATE IN C PROGRAMMING

## PROTOTYPES

### NON – INVASIVE GLUCOMETER

- This device used to measure the glucose level non-invasively and it is customized and will be accurate for that particular individual using ML algorithms on their glucose levels,
- I worked on Integrating Bluetooth to share the glucose values and uploading the values to the server using MQTT Protocol.

### FRUTINY

- Frutiny is a hand-held device which checks the internal quality of the fruits and vegetable (as of now Apple and Mango is used). It is use case surrounds super markets, Pazhamudhir and vegetable markets.
- I worked on the third iteration of the prototype which is portable, hand-held (Looks like ATM swipe machine) device. It uses IR sensor, gas sensor and a camera to analyze the internal quality of the fruit and uses raspberry pi 4 for processing. It grades the fruit depending on the external and internal quality of the fruit.

## CLUB AND FORUM

### MEMBER OF SUPER 60

Super 60 is a program that helps one realize the potential, visualize the immediate future, develop holistic growth and reinvent them. The super 60 model of the leadership takes one through the journey of discovering potential within and catapult the leader within.