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, LINUX, KICAD, PROFICIENT IN EXCEL

PROGRAMMING LANGUAGES: INTERMEDIATE 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 needed a small upgrades like Charging Indicator, Soldering etc.
- I worked on enabling Bluetooth to share the values and uploading the values to the server using UART.

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 device. Gained knowledge on different sensor integrations like IR sensor, Alcohol sensor to Raspberry pi (Linux based processor).
- I have worked on integrating Image processing (using OpenCV) to the system.

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.