

# VIJAYARAGHAVAN V

## FULL STACK EMBEDDED SOFTWARE ENGINEER

Myself embedded software developer works on the Full Stack of an application meaning Back End Development Languages



## CONTACT



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DATE OF BIRTH : 20.07.1993

## EDUCATION

### MBA

- MBA, Major in Human Resource Management
- Madurai Kamarajar University Distance Education, Madurai
- August 2019, 62%

### B.TECH

- Major in Electronics and communication
- Sree Sowdambika College Of Engineering, Aruppukottai
- November 2016, CGPA: 6.1

### DIPLOMA

- Major in Electronics and communication
- Sree Sowdambika Polytechnic College
- Aruppukottai . 2012, 81%

## TECHNICAL EXPERTISE

- C
- JAVA
- PYTHON
- DJANGO

Stm32, Kicad, NetBeans,  
Arduino

## PROFESSIONAL EXPERIENCE

NOVEMBER 2020 – Present

### FULL STACK EMBEDDED SOFTWARE ENGINEER

- RG Technology,
- Virudhunagar, Tamil Nadu
- Design and implement software of embedded devices and systems from requirements for eye surgery Integrate and validate new product designs in medical standards
- Interface with hardware design and development

### ROLES AND RESPONSIBILITIES

- Supporting work in embedded C in STM32.
- Supporting work in python backend of the company projects
- Quality Testing of the Analog Bipolar , Digital Bipolar and LED Endo Illuminator products
- Trouble shooting of both Analog Bipolar and Digital Bipolar products

## PROJECT

### VISION CHART | PYTHON, KODI

A digital vision chart with ease of use, operated by a handy remote control with dedicated keys for eye checking. From visual acuity testing to educational charts, has got all the charts that one would require for a preliminary eye examination with special attention to pediatric population. Charts incorporated in a 18.5 inch wide LCD Monitor with high resolution and contrast. A smart power saving option that aids in automatic switch off of the unit when not in use. Wall mountable and compact enough for the examination room, it is definitely a choice of a tool for every professional eye examiner .

### WET FIELD BIPOLAR CAUTERY | EMBEDDED C, STM32IDE

#### WET Field Cautery | Embedded C, STM32IDE

Electrocauterization is often used in surgery to remove unwanted or harmful tissue. It can also be used to burn and seal blood vessels. This helps reduce or stop bleeding during or after an injury. In this whole operation plays an important role of heat . We can control heat via STM32 microcontroller chip.