**SREERAG S**

**EDUCATION**

* **B.Tech Embedded Systems**

**CGPA – 7.32 / 10**

Amrita Vishwa Vidyapeetham

* **B.Tech Electrical and Electronics Engineering**

**CGPA – 7.32 / 10**

* **Class 12** – 93.33%

Institution:

* **Class 10** – 95%

Institution:

**TECHNICAL INTERESTS**

IoT, Embedded Systems

**PROJECTS**

**FreeRTOS Fire Detection & Alert System** [ 2022 ]

Developed a system which will be sensing values from different nodes. these values are monitored periodically and any variation from threshold value will activate the corresponding actuation.

**IoT ware house management** [ 2022 ]

Developed a system which monitors the temperature, presence of fire and smoke conditions in a warehouse and displays the list of goods of warehouse in a custom user interface (GUI).

**IOT based patient pre checkup unit** [ 2018 ]

Developed a system which capable of monitoring each patient’s data and then store to a cloud so that the doctor could monitor the condition and hence prescribe necessary precautions.

**TECHNICAL SKILLS**

MATLAB / KEIL / MPLAB / Vivado / C / Python / Verilog / Embedded C

**INTERNSHIP**

**Applied Materials India   
[ 08/08/2022 – Current ]**

• Developed a Tkinter based GUI in python for sensor tagging.   
• Worked on python based simulation of Wireless Sensors.  
• Done RTL coding on Zynq ZC702 board.

**KSEB, Kochi   
[ 2016 ]**

**•** Understood more about substations and different components used in substations and got an overview about working of different sections in the substation.

**LANGUAGES**

English, Malayalam