***SHANKAR R***

**EDUCATION**

* **B.Tech** **Electronics and Communication Engineering**

**CGPA – .53 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

* **Class 12** – 84.8% **2019**

Institution: Sri Ram Dayal Khemka Vivekanda Vidyalaya Junior College

* **Class 10** – 100% **2017**

Institution: Sri Ram Dayal Khemka Vivekanda Vidyalaya Junior College

**PROJECTS**

**Underwater Marine creatures’ detection**

Enhanced the Quality of underwater image using Dehazing techniques.

Compared YOLOv3, YOLOv5 and YOLOv7 for marine creatures’ classification.

**Cough detection system using Embedded ML**

Collected Noise and Cough samples of Human beings.

Classified both the samples using TinyML.

**EPILEPSY DETECTION USING TINYML**

▪**Objective -** Alerts and Protects epileptic seizure.

▪**Tools used -** Edge impulse, Arduino Nano 33 Ble sense & MIT app inventor.

▪**Outcome –** Mobile application which alerts the Caretaker of person with epileptic seizures.

**COVI PROTECT**

▪**Objective –** Protects & stores the medical data.

▪**Tools used –** Arduino, Google Firebase, and sensors.

▪**Outcome –** Mobile application which stores the temperature and oxygen level of the user.

**TECHNICAL SKILLS**

Python, C++, HTML & CSS, Arduino, Matlab, Simulink, LTspice, TinyML, Edge Impulse, UiPath, and Tinkercad

**ACHIEVEMENTS & HONOURS**

Atlas Hacks II 2021 - Winner of Top 10 Project track

Error By Night Hackathon - Winner of Best hardware track