**Sarang G Nair**

**PROFILE**

An independent and self - motivated graduate with good skill set in the field of Electronics and Communication, Embedded systems and IoT Automation with effective communication skill and effective team management skills.

**EDUCATION**

* **Btech Electronics and Communication Engineering**

**CGPA – 7.32 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

* **Class 12** – 85.33% **2019**

Institution:

* **Class 10** – 76.6% **2017**

Institution:

**TECHNICAL INTERESTS**

IoT Automation, Coding, Wireless Communication, Cyber Security

**PROJECTS**

**Accident Detection System and Traffic monitoring system using IoT**   
Continuation of the project 'Accident Detection System' with a modification that helps the medical facilities like ambulance to reach the scene quickly.

**Accident Detection System**   
Detects the accident and helps the medical facilities to arrive at the scene accordingly.

**Arduino based Sun Tracking Solar panel**   
Change position of the solar panels accordingly to get the maximum amount of solar energy

**Obstacle Avoiding Rover**   
Works on the principle of Ultrasonic sensor.

**TECHNICAL SKILLS**

IoT, Verilog programming, Kali Linux, C programming

CSS, Python, SQL, MATLAB, HTML

**ACHIEVEMENTS & HONOURS**

**Best Project**   
Arduino based sun Tracking Solar panel' won the first prize for the best project in MAKER'S EXPO 2019 conducted by ECE Department , Amrita school of Engineering, Amritapuri

**Conducted webinars**   
Organized a 3 day Webinar series in Sri Ramakrishna Vidyalayam, Karuvatta on the topic Health and Hygiene, Importance of Yoga and Life skills as a part of Student Social Responsibility project.

**LANGUAGES**

English, Malayalam, Hindi