Sikhin V C

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Education

2017–Present	**Bachelor of Technology in Electronics and Communications Engineering**. TKM College of Engineering, Kollam, Kerala 7.9
2013–2015	**Higher Secondary Education, Board of Higher Secondary Examinations, Kerala**. St Sebastian's Higher Secondary School, Koodaranhi, Kozhikode 91%
2012–2013	**Secondary School Examination, Board of Public Examinations, Kerala**. PTM High School Kodiyathur, Kozhikode 95%

Technical Skills

Programming Languages	Python, C++, Arduino, HTML, CSS, Flask
Tools	Jupyter, Pycharm, Arduino IDE, Raspberry Pi

Internship

Apr'20– Jul'20	**Marketing Officer**. Worked as marketing officer in Reema Online Grocery Selling Application Service
Nov'20– Dec'20	**Computer Vision and IoT Intern**. Completed one month Computer Vision and IoT internship at The Spark Foundation
Jan'20– Present	**Computer Vision Intern**. Working on a computer vision based automation project at Pyten Labs

Publication

1. First Author of paper titled **Human Detection System for Rescue Operations** in International Conference on Microelectronics, Signals and Systems (ICMSS'19) published in American Institute of Physics(AIP) Conference Proceedings – aip.scitation.org/doi/10.1063/5.0004218

Projects

Oct'20– Present	**Traffic rule violation monitoring system(Academic project)**. This project is to design a system that automatically detect and report traffic rule violations.
Jul'20– Present	**System to increase visibility of driver to opposite lane for overtaking safety**. This project aims to increase visibility of driver to opposite lane by using a camera facing forward, in a position having greater visibility to opposite lane.
Jan'20– Aug'20	**Indoor mapping using LiFi communication**. This project demonstrates transmission of binary codes through LEDs with the help of micro controller and reception and decoding of light signal using camera. Transmission of signal is done using Arduino and LED, Reception of signal is done using camera and decoding of information is performed by image processing techniques.

Jul'20– Aug'20	**Person Tracking System During Covid Pandemic Using Aadhar Card**. This project was aimed to track people efficiently using valid ID proof such as aadhar card. Project was done using Raspberry pi and pi camera
Mar'20– Mar'20	**Crowd Controlling System During Covid Pandemic Using Computer Vision**. This project was to ensure social distancing inside super markets and other places. Opencv and tensorflow was used to detect human beings and distance between them is calculated
Oct'19– Aug'20	**Overtaking Assistant System Using V2V Communication**. This project was aimed to reduce overtaking accidents by transmitting dashboard camera visuals between vehicles.
Aug'19– Aug'19	**Automatic Fire Extinguisher**. Made a small prototype of Fire Extinguisher that uses infrared sensors and smoke sensors to detect presence of fire and water pump to extinguish fire
Aug'18– Oct'18	**Smart Urinal for Long Distance Buses**. Designed a smart urinal that flush automatically and can be installed in buses

Certificates

1. **Presenter:** Presented paper titled **Human Detection System for Rescue Operations** in **International Conference on Microelectronics, Signals and Systems (ICMSS'19)** held in TKM College of Engineering, Kollam on 27 -28th September 2019
3. **Paper presentation first prize for the paper "Human Detection System for Rescue Operations"** - Tech fest conducted by Govt.Engineering College, Thrissur on 21/09/2017
4. **Young Innovators Program**(04/2018- 04/2020) for Eco Friendly Mosquito Trap
5. **Finalist** - IEEE Sanitation Challenge (11/2018)
6. **Finalist** - Startup Yatra conducted by Startup India and Kerala Startup Mission

Organizations

Jun'20– Present	**Innovation and Research Cell Head**-. Innovation and Entrepreneurship Development Cell, TKM College of Engineering
Aug'19– Apr'20	**Chief Information Officer**-. Innovation and Entrepreneurship Development Cell, TKM College of Engineering

Languages

English.

Hindi.

Malayalam.