

## RITHICKSHIVAL M

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### Education

Bachelor of Engineering in Electrical and Electronics Engineering

Institute: Dhaanish Ahmed College Of Engineering, Anna University  
Year of Pass: 2022

### Key Skills

- Hardware and Networking

### Programming Languages

- Python

### Cloud Certifications

- Azure – AZ 900



### Personal Details

Date of Birth: 16-May-2000  
Nationality: Indian  
Marital Status: Single

### Languages Know

Tamil (Native Language)  
English (Proficient)  
German (Elementary Proficient)

### PROFILE SUMMARY:

I am a passionate technology enthusiast. I take great pleasure in learning new technologies and finding ways in which this can aid people every day.

### PROJECTS:

#### **AUTOMATION USING PIR SENSOR AND ULTRASONIC SENSOR:**

The project aims to design an intelligent automatic system that targets the energy-saving and automatic ON/OFF of appliances when there is a human presence.

PIR Sensor is used to turn ON the light by sensing the existence of humans, and it automatically turns OFF after a limited period.

The ultrasonic sensor is used to turn ON the light when there is a human presence and automatically turns OFF at the instance when the human existence is not detected; this can be used in office cabins, etc.

Arduino UNO is used here to upload the code and receive the signal from the sensor, and according to the legend, it sends the signal to the relay to ON/OFF the illumination system.

#### **ULTRASONIC SENSOR BASED DRIPS MONITORING SYSTEM IN HOSPITALS:**

An Arduino Uno, an HC SR-04 Ultrasonic Sensor, an LDR, a light source, and an ESP8266-01 Wi-Fi module make up the system.

The sensors are linked to a drip bottle operated by an Arduino microcontroller.

The data is gathered and sent to the website through the wifi module, where it can be readily displayed.

The data is retrieved from the cloud via the android app, which alerts medical staff to the production of bubbles and the amount of fluid remaining in the drip.

### INDUSTRIAL EXPOSURE:

Neyveli Lignite Corporation - 2019  
North Chennai Thermal Power Station - 2019  
Power grid Cooperation of India limited - 2019  
Equad engineering services – 2021

### EDUCATION:

#### **B.E in Electrical And Electronic Engineering**

Dhaanish Ahmed College Of Engineering  
09/2019 - 06/2022

#### **Higher Secondary School**

Ideal Matriculation Higher Secondary School  
07/2017 - 05/2018

#### **Secondary School**

Swami Vivekanandha Matriculation Higher Secondary School  
07/2015 - 05/2016