

**MALARVIZHI. P**



# Email : [malar221997@gmail.com](mailto:malar221997@gmail.com) Alter.Email : [malarvizhipalanisamy4@gmail.com](mailto:malarvizhipalanisamy4@gmail.com)

**GitHub Link: https://github.com/malarvizhi-palanisamy Mobile : +91 8940908059**

**OBJECTIVE**

I am looking for a challenging job where I can utilize my talent and knowledge. I want to learn and grow with the organization.

# EDUCATIONAL DETAILS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **COURSE** | **NAME OF THE INSTITUTION** | **UNIVERSITY / BOARD** | **YEAR OF**  **PASSING** | **CGPA /**  **PERCENTAGE** |
| BE (CSE) | KPR Institute of Engineering and Technology, Coimbatore | Anna University, Chennai | 2019 | 6.92(till 6th sem) |
| HSC | St.Thomas Girls Hr Sec School, Avinashi, Tiruppur | State Board | 2015 | 82.25 % |
| SSLC | St.Thomas Girls Hr Sec School, Avinashi, Tiruppur | State Board | 2013 | 91.8 % |

**SKILLS SETS/ DOMAIN KNOWLEDGE**

* Project management
* Eager & Quick Learner
* Easily Grasp New Technologies

# AREAS OF INTEREST

* **Embedded Systems & IOT**
* Application Development (Android & Web)

# Tools

|  |  |
| --- | --- |
| * Android studio | * MPLAB |
| * Eclipse | * Arduino IDE |
| * Net beans | * Proteus |
| * HeidiSQL | * Pickit-2 |

# COMPUTER KNOWLEDGE

PROGRAMMING LANGUAGES : C, C++, Python, Core Java FRONTEND : JSP, JSF, HTML, XML, CSS

BACKEND : JAVA, MySQL, Python

OPERATING SYSTEMS : Linux & Windows

HARDWARE LANGUAGES : Assembly Languages & Embedded C

# COURSES

* + Data Science and Big Data Analytics - DELL EMC2
  + 1.Cloud Computing, 2.Mobile Computing - certified by NPTEL
  + Java Fundamentals - certified by Oracle Academy
  + Embedded Systems - Sai Incubation Center
  + 1.Python, 2.Data Structure - from GUVI

# WORKSHOPS ATTENDED

* + Ethical Hacking
  + Internet of things

# SEMINAR ATTENDED

* + Deep Learning
  + Arduino
  + IOT
  + Big Data Analytics
  + Cloud based Machine Learning for IOT device

# ACADEMIC PROJECTS- Mini Projects

1. **Project Title:** Brain Tumor Segmentation and Classification.

**Domain:** Data Mining

**Description:** In this project to segmentation and classifying the MRI images for Brain Tumor identification.

1. **Project Title:** Web Application Designing (login page)

**Domain:** Web Application

**Description:** In this project developed a Email registration and login page and to check the existing ID for new registration.

**DOMAIN:** ANDROID APPLICATION DEVELOPMENT

1. **Project Title:** Jolly Ride Taxi (Moblie Application)

**Domain:** Android Application

**Description:** Developed android Taxi application of booking, tracking, monitoring, rating and online transcations for both customers and drivers.

1. **Project Title:** Gaming App for grammar

**Description:** Developed interactive application to learn English grammar by android studio.

1. **Project Title:** Website Design

**Domain:** Website Development

**Description:** Developed website for our college symposium.

**DOMAIN:** EMBEDDED SYSTEMS (IOT)

1. **Project Title:** Digital Departmental Stores

**Description:** In this project simple billing system is created using digital trolley by MQTT, barcode Scanner and Load cell**.**

1. **Project Title:** Shadow robotic arm

**Description:** A robotic arm is designed using servo motors and the movement of which is Controlled by the movement of the human arm.

1. **Project Title:** Gesture Based Robotic Vehicle

**Description:** A robotic vehicle is designed using dc motors and the movement of which is Controlled by detecting the gesture of the hand using accelerometer.

1. **Project Title:** A Soil Moisture controlling device

**Description:** In this project to detecting the soil moisture level by NODEMCQ and to predicting the level using graph view to take corresponding action automatically by MQTT.

# (Projects details and some mini projects attached separate sheet)

**PROJECTS TRACKING SYSTEM**

**Domain: Android app and IOT**

JULY 2018 to Present

# PROJECT CONTEST

* + Participated in IOT Innovation Challenge – 2017
  + Participated in Smart India Hackathon – 2018
  + Won three prizes in KPR project contest -2018

# EXPERIENCE

**Internship at Sai Incubation Center**

JULY 2018 - Nov 2018

Attending 6 month internship program at Sai Incubation Center, Coimbatore based on developing embedded products and android application by android studio and arduino IDE.

# Internship at Gateway Software Solutions

NOVEMBER 2017

Attended 15 days internship program at Gateway Software Solutions, Coimbatore based on developing simple android application by android studio.

# PERSONAL DETAILS:

**Name** : MALARVIZHI.P

**Father’s Name** : Mr.K.PALANISAMY **Date of Birth** : 22-11-1997 **Languages proficiency** : English, Tamil

# DECLARATION

I am here by declaring that the information furnished above is true to the best of my knowledge and belief.

Place  Date: (Malarvizhi. P)

# ACADEMIC PROJECTS- Mini Projects

**DOMAIN:** Embedded Systems & IOT

1. **Project Title:** Home automation

**Description:** To monitoring and controlling the home devices (all kind of electronic devices) by NodeMCQ (offline)

1. **Project Title:** Managing Medical Records

**Description:** Continuously to monitoring the medical records by ThingSpeak webserver.

1. **Project Title:** Traffic Lights controllers

**Description:** To controlling the traffic lights based on the traffic level by using PIC6F877A register.

1. **Project Title:** Light energy to power energy

**Description:** In this project to observing the light energy using solar panel by Ultrasonic Sensor, ball baring and limit switch.

1. **Project Title:** Counting Reader Device

**Description:** To monitoring entry and exits counting by ARDUINO and report to the center router.

1. **Project Title:** Access Control Systems

**Description:** In this project makes the physical security and information security by using RFID

# PROJECTS:

**TITLE:** TRACKING SYSTEM

# Domain: Android app and IOT

**Description:** Designing an IOT device with an Android application to track animals location and monitor animals health, using sensor value and android application we track and monitor animals.

JULY 2018 to Present