

S Muruganandham



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Summary

Final Year student from Pondicherry university majoring in Electronics and Communication Engineering. Specializing in Real Time Transducer based projects and Networking. Experienced with various Microcontrollers and Microprocessor projects. Well-versed in Networking, Python, Embedded C, IOT with Raspberry pi as a gateway, Network and Computer troubleshooting, Photoshop and Adobe After effect.

Skills

+ **Programming Language:** Python, Embedded C, C, JavaScript.

+ **Operating System:** Linux (Ubuntu, Kali-Linux, Raspian), Windows.

+ **Frameworks and Packages :** Open CV, Tensor Flow, Wiring Pi, Flask.

+ **Software:** ISIS Proteus, Arduino IDE, MYSQL, Adobe After Effect, Adobe Photoshop.

Interests

- Transducer based project with Raspberry pi.
- Embedded system-based controller.
- Computer Networking (Practical).
- Image Processing.
- Artificial intelligence & Machine Learning.
- Graphic and Motion Graphics Designing.

Projects

TITLE: SECURITY-SYSTEM-WITH-NEURAL-NETWORK

DESCRIPTION: Project was developed for Project Expo conducted by a College under Anna University.

Reference: GitHub- <https://github.com/Muruganandham18/SECURITY-SYSTEM-WITH-NEURAL-NETWORK>

Team Size: 3

ROLE: Project Leader, Python script to create a neural network to Recognize Face and door open mechanism.

TITLE: SELF-BALANCING-BOT-WITH-ARDUINO

DESCRIPTION: A two-wheel bot maintains gravity at the center of its body without losing its balance, this project is based on PID controller and IMU Sensors with Arduino.

Reference: GitHub- <https://github.com/Muruganandham18/Self-balancing-Bot>

Team Size: 1

TITLE: Child Health and Activity Monitoring with Smart T-shirt

DESCRIPTION: Monitors the health parameters of a child 24 hours, it consists of several sensors to measure the physical parameters i.e., Temperature sensors, Pulse-oximetry sensor, Accelerometer sensor. an Android app is connected to the smart T-shirt, with that app we can check the Past data and Monitor the live parameter.

Certifications

- Certification for Excellence for securing **1st prize** in **Project Display** Event Conducted by **Madras Institute of Technology**, Anna University, Chennai.
- Certification for Excellence for securing **1st prize** in **Netcracker** (Network Troubleshooting) Event Conducted by **Madras Institute of Technology**, Anna University, Chennai.
- Certification for **Internship** in **VI Microsystem** on **Internet of Things** with Raspberry pi.
- Certification for **Implant Training** on **Thermal Power Station**, Mettur, Salem, Tamilnadu.
- Certification of participation in workshop on **Open AI** conducted by **Nation Institute of Technology Puducherry**.
- Certification of participation in workshop **Wireless Sensor Networks for Home and Industrial IoT** conducted by **Annamalai University**.
- Certification for participation in **IOT Challenge 2018** Event conducted by **i3indya** Technologies.
- Certification for participation in **Project Carnival** conducted by **EGS Pillay Engineering college**.
- Certification for participation in **Hands on workshop on Python and Machine Learning** organized by **Pondicherry Engineering college**.
- Certification of participation in **Hands on workshop on Raspberry pi** organized by **PERUNTHALAIVAR KAMARAJAR INSTITUTE OF ENGINEERING AND TECHNOLOGY (PKIET)**.
- Certification for Achievement for **1st prize** for The Cachet Computer Quiz by **CACHET SOFT PVT. LTD.**

Education

Bachelor of Technology: Electronics and Communication Engineering **2015-Present**

PKIET-Karaikal, Pondicherry University

CGPA: 6.3/10

Relevant Coursework: Digital circuits, Wireless Communication, Circuit Analysis, Microprocessor and Digital communication.

HSC: **2015**

ST Mary's Higher Secondary School, Karaikal, TN Board

Percentage:72.58%

SSLC: **2013**

ST Mary's Higher Secondary School, Karaikal, TN Board

Percentage: 80.00%

Person Details

Date of Birth : February 18 ,1998
Gender : Male
Nationality : Indian
Hobby : Freelance graphics Designer and Music
Languages Known : English, Hindi and Tamil

Declaration

I hereby declare that the information given above is true to the best of my knowledge.

S Muruganandham