

S Muruganandham

2, Agraharam Street, Sethur, Karaikal, Puducherry-609601(INDIA)

Phone: +91-89734-63947

✉ - santosh18021998@gmail.com 🌐 - <https://github.com/Muruganandham18>



Summary

Pre 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 Python, Embedded C,IOT with Raspberry pi as gateway, Photoshop and Adobe After effect.

Skills

- | | |
|---|--|
| + Programming Language: Python, Embedded C, MATLAB, Java, C, HTML. | + Operating System: Linux (Ubuntu, Kali-Linux, Raspian-pixel), Windows. |
| + Frameworks and Packages : OpenCV, TensorFlow , WiringPi ,Flask. | + Software: Arduino IDE, IntelliJ IDEA, Spyder Adobe After Effect, Adobe Photoshop. |

Interests

- Transducer based project with Raspberry pi.
- Embedded system based controller,
- Image Processing,
- Artificial intelligence & Machine Learning,
- Graphic and Motion Graphics Designing.

Projects

TITLE: SECURITY-SYSTEM-WITH-NEURAL-NETWORK

DESCRIPTION: Project developed for Project Expo conducted by Anna University

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

Team Size: 2

ROLE: Project Leader, Python script to create a neural network to Recognize Face.

TITLE: SELF-BALANCING-BOT-WITH-ARDIUNO

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: 2

Role: Project leader, Creating the PID algorithm and Main program for Balancing the bot.

Certifications

- Certification for **Intenship** in **VI Microsystem** on **Internet Of Things** with Raspberry pi.
- Certification for **Inplant Training** on **Thermal Power Station**, Mettur, Salem, Tamil nadu.
- Certification of participation in workshop on **Open AI** conducted by **Nation Institute of Technology Puducherry**.
- Certification of participation in workshop on **Self Balancing Bot** conducted by **Nation Institute of Technology Puducherry**.
- Certification of participation in **IOT Challenge 2018** Event conducted by **i3indya** Technologies.
- Certification of participation in **Project Carnival** conducted by **EGS Pillay Engineering college**.
- Certification of 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 of **INDUSTRIAL VIST** on **Bharat Sanchar Nigam Limited**.
- Certificate of 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: 6.8/10

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 : Mini electronics projects and Photoshop

Languages Known : English, Hindi and Tamil