



# VIGNESH M

## MECHATRONICS ENGINEER

### My Contact

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### Hard Skill

- Control Panel Wiring
- Welding
- Soldering

### Soft Skill

- HTML, CSS, JS
- Python Programming
- PLC Programming
- SOLIDWORDS

### Education Background

- Bannari Amman Institute of Technology  
BE, Mechatronics  
8.27 CGPA(Upto 5th Sem)
- GV Higher Secondary School  
12th STD  
Completed in 2020
- Nirmala Higher Secondary School  
SSLC  
Completed in 2018

### Objective

Seeking a challenging role at an established organization to start my career in automation engineering in Automation company. Process advanced level knowledge of engineering tools

### Internship

#### Python Machine Learning, Towards Technology

**Duration:** 15 days

**Objective:** The objective of this internship is to develop the skills required for Machine Learning Technologies with use of Python to analyze data, create beautiful visualizations, and problem solving using powerful machine learning algorithms.

#### Delta PLC Programming, GI Saver, Coimbatore

**Duration:** 2 month

**Objective:** The objective of this Internship to learn a PLC ladder logic with a help of ISP Soft and also learn a PLC control panel wiring.

#### PLC Control Panel Wiring, Texsonics System, Coimbatore

**Duration:** 1 month

**Objective:** The Objective of this Internship to understand and implement the Six axis robot PLC Programming and Control Panel Wiring

### Achievements

#### National

- Python Machine Learning Organized by Towards Technology, Secured 1 place and Won 500 INR.
- ROBORC Organized by IEEE Robotics & Automation Society at Sri Krishna College of Engineering, Secured 3 place and won 750 INR

## Events Attended

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- **Website Development** – Organized by Srikrishna College of Engineering, Coimbatore.
- **Ew Challenge** – Organized by Mouser Electronics
- **PcbWay 5th PCB Designing Contest** – Organized by Mouser Electronics

## Area of Interest

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- Automation Engineer
- PLC Service and maintenance
- Web developer

## Personal Skill

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- Leadership
- Adaptability

## Hobbies

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- Pencil Art
- Video Editing
- Gym

## Languages Known

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- Tamil(R,W,S)
- English(R,W,S)

## Declaration

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I VIGNESH M, hereby declare that the above written particulars are true to the best of my knowledge.

## International

- BRICS 2022 Organized by China Education for International Exchange Center for Vocational Education Development , Secured Bronze Prize and eligible to get Skill passport

## Projects

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### Project 1- Water filling System

**Duration:** 45 days

**Role Played:** PLC Programming and control panel wiring .

**Motive:** An Automatic filling machine guide, organizes, fills, and then releases bottles in an automatic bottle packing line, such as a filling capping and labeling line.

### Project 2- RFID Based Attendance System

**Duration:** 15 days

**Role Played:** Arduino Programming.

**Motive:** This project uses RFID technology for making a note of every student entering in a classroom and also calculates the time resides in a class. In this system every student is allotted with an RFID tag. The attendance can be done by placing card near RFID reader.

### Project 3 - Iot Based Dam Automation and Flood Monitoring System

**Duration:** 2 month

**Role Played:** Arduino Programming and wiring

**Motive:** The purpose of this project is to sense the water level in river beds and check if they are in normal condition. If they reach beyond the limit, then it alerts people through LED signals and buzzer sound. Also it alerts people through Sms and Emails alerts when the water level reaches beyond the limit.

### Project 4 - Automatic Stamping and labeling machine

**Duration:** 2 month

**Role Played:** PLC Programming and wiring

**Motive:** The purpose of this project is to help the small-scale industries for their packing process which reduce the labor cost and machinery cost, increase efficiency and productivity, easy to maintain machines.