VIGNESH M
MECHATRONICS ENGINEER

My Contact

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Hard Skill

- Control Panel Wiring
- Welding
- Soldering

Soft Skill

- Python Programming
- The Robot Operating System
- PLC Programming

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 Learnig, 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, G1 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.

- ROBORG Organized by IEEE Robotics & Automation Society at Sri krishna College of Engineering, Secured 3 place and won 750 INR

Events Attended

- **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

- Automation Engineer
- ROS Developer
- PLC Service and maintenance

Personal Skill

- Leadership
- Adaptability

Hobbies

- Pencil Art
- Video Editing
- Gym

Languages Known

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

Declaration

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

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- Autonomous robot using ROS
Duration: 45 days
Role Played: ROS Programming.
Motive: Designing and implementing an autonomous robot utilizing the Robot Operating System (ROS) framework to achieve advanced functionalities such as path planning, localization, and real-time sensor integration. This project aims to revolutionize the field of robotics by enabling robots to operate independently and intelligently in various environments.

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.