

# ASWINMURUGAN

COIMBATORE, TAMILNADU

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<https://github.com/aswinmurugan-lab>



## About

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Robotics Engineering student with a passion for technology and problem solving. I have developed skills in programming, system design, and robotics through both coursework and personal projects. I am eager to apply my knowledge and continue learning to contribute to advancements in the field of robotics.

## Skills & abilities

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### Soft skills

- Multitasking
- Teamwork and collaboration
- Prioritization
- Problem solving
- Leadership and supervision

### Technical skills

- Programming language: C, Python, Html, Css, javascript
- PLC programming
- 3D designing and modeling(fusion 360)
- Robot Operating systems

## Projects

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- Prototype of soldering end effector for COBOT
- Two jaw wedge gripper (3d printed)
- Viniyog – Android app using studio (under development)

- Pick and place operation of P-Rob 3 robot using webots simulation software

## Internship

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- **GD industries** **1 Month**  
Hands on training in CNC machine, CNC programming **1 Week**  
Designing Software: SOLIDWORKS, MASTERCAM
- **Shree technologies**  
PLC - Siemens (s7-300)  
Introduction to SCADA systems 1 month 1 week

## Certification

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- ROS (Robot Operation System)
- Python (2 project)
- Html, css, javascript (1 project)
- Industrial automation PLC &SCADA
- Introduction to Industrial IOT (NPTEL)
- Automation In Manufacturing (NPTEL)

## Participation

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- **XION23 1<sup>st</sup> Place**  
Line Follower | SRM Institute Of Science And Technology
- **MIN ENTHRA 2K23 1<sup>st</sup> Place**  
Line Follower | Hindusthan College Of Engineering And Technology
- **ROBORG 24 2<sup>nd</sup> Place**  
Mr.bot (Line follower) | Sri Krishna college of engineering and technology
- **E-yantra Robotics competition 2024** Eliminated in stage 2
- **Tata hackathon 2024**  
Eliminated in round 1
- **Smart India Hackathon 2024** Eliminated in preliminary round

## Languages

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Tamil  
English  
Hindi  
Arabic

First language  
B2 - Upper Intermediate  
B2 - Upper Intermediate  
A2 – Elementary