

ASWINMURUGAN

COIMBATORE, TAMILNADU

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



About

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

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

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

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

Internship

• 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

- 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

- **XION23 1st Place**
Line Follower | SRM Institute Of Science And Technology
- **MIN ENTHRA 2K23 1st Place**
Line Follower | Hindusthan College Of Engineering And Technology
- **ROBORG 24 2nd 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

Tamil	First language
English	B2 - Upper Intermediate
Hindi	B2 - Upper Intermediate
Arabic	A2 – Elementary