

TEJAS C. WAGHMARE

8378869006 | tejaswaghmare2106@gmail.com | [Linkedin](#) | [GitHub](#)

PROFESSIONAL SUMMARY

To obtain a challenging position as a Mechanical Engineer where I can utilize my knowledge, experience, and creativity to contribute to the success of the organization.

EDUCATION

Bajaj Institute Of Technology, Wardha

2020 - 2024

- Completed B.Tech - Mechanical Engineering

CGPA - 8.06

Maharashtra State Board of Secondary & Higher Secondary

2018 - 2020

- HSC (Science) - 2020
- SSC - 2018

PROJECT EXPERIENCE

Dynamic Path Tracker - Line Follower Robot

[GitHub](#)

- Developed a cutting-edge Line follower robot using an IR sensor Array & Arduino. The robot is capable of flawlessly tracking both black and white lines.
- Engineered for precise turns, showcasing agility on both left and right paths.
- Implemented an adaptive path-shifting mechanism, setting it apart from conventional line followers.
- The robot's unique ability to adapt and shift paths on both black and white lines is an unparalleled solution in line-following robotics.

3 month

Team Members: 4

Intelligent Obstacle Navigator - IR Sensor - Based Robot

[GitHub](#)

- Engineered a robot with advanced obstacle detection using IR sensors and Arduino technology.
- Thoroughly tested the robot with various materials to ensure robust obstacle avoidance.
- Precisely analyzed obstacle-detection range for different obstacle materials.
- Developed an intelligent system enhancing the robot's navigation and obstacle avoidance.

3 month

Team Members: 4

ACHIEVEMENTS

Participated at Enterprenure Cell & Qualified for E-Summit 2024 Conducted by IIT-Bombay.

INTERNSHIP

Completed Smart Manufacturing (Industry 4.0 & Digitalization) Internship at V.R Jamdar Siemens Center Of Excellence, VNIT Nagpur.

3 month | [GitHub](#)

SKILLS

TECHNICAL SKILL

- NX CAD/CAM Software
- Creo Parametric
- ABB RobotStudio
- Robot Programming
- Tecnomatix Software
- SinuTrain CNC Training Software
- CNC Programming
- Arduino Programming
- MS Office
- MS Excel

SOFT SKILL

- Decision Making
- Analytical Thinking
- Team Work
- Problem Solving

CERTIFICATIONS

- Smart Manufacturing (Industry 4.0 & Digitalization) Internship | V.R Jamdar Siemens Center of Excellence, VNIT Nagpur.

3 month

[GitHub](#)

- Learn C++ Programming Beginning to Advance | Udemy

Sep 2023 | [GitHub](#)

- Python Introduction to Data Science & Machine Learning | Udemy

Oct 2022 | [GitHub](#)