

Atharva Bhosale

Bachelors Of Technology | ME IIT Tirupati

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EDUCATION

IIT Tirupati

BTech In Mechanical Engineering

Aug 2024 - July 2028

Vidya Valley International School (HSC)

Maharashtra State Board Of Higher Secondary Education (PCM) - 86.33%

June 2022 - May 2024

Podar International School, Chinchwad (CBSE)

Central Board Of Secondary Education - 95.80%

June 2009 - May 2022

PROJECTS

Simple Mobile Robotic Arm (1D) [↗](#)

2025

Simulated a 1D mobile robotic arm to demonstrate linear motion and basic pick-and-place operations by

- Building a 1D robotic arm simulation capable of linear motion and pick-and-place tasks using ROS2 (Humble).
- Implemented ROS2 publishers/subscribers for motion control and feedback in a custom simulation environment.
- Demonstrated basic automation and teleoperation using Python scripting and ROS2 topics.

Catch Nearest Turtle [↗](#)

2025

This ROS 2 package simulates a turtle in the turtlesim environment that automatically catches the nearest turtle. It uses ROS 2 nodes to detect the closest turtle and move toward it until it's caught.

- You can change the parameters in the yaml file which is present in my_robot_bringup/config/** and play around with it.

SKILLS

Languages: Python, C, C++, HTML/CSS, Bash

Libraries: Rclpy, Rclcpp

Frameworks: ROS2

Tools & Technologies: Git, Rviz, Gazebo, Rqt

CERTIFICATE

ROS 2 For Beginners Level 2 - TF | URDF | RViz | Gazebo [↗](#)

ROS2 For Beginners (ROS Foxy, Humble - 2025) [↗](#)

The Complete Python Bootcamp [↗](#)

Intro To Machine Learning [↗](#)

Simulink Onramp [↗](#)

MATLAB Onramp [↗](#)

LANGUAGE

English Professional working proficiency

Hindi Native or bilingual proficiency

Marathi Native or bilingual proficiency

Japanese Elementary proficiency