

MARTHA SURYA TEJA

ROBOTICS & AUTOMATION ENGINEER

Warangal, India | +91 9949539201 | msuryateja0302@gmail.com | Portfolio 



Objective

"Driven to innovate and explore advancements in Robotics and Automation, with a commitment to leveraging cutting-edge skills for meaningful contributions. Eager to enhance a dynamic and esteemed organization's growth through continuous learning and impactful solutions in a challenging, technology-forward environment."

Education

B. TECH (HONOURS) IN PRODUCT DESIGN Feb 2023 – May 2025

Vignan's Foundation for Science, Technology & Research | Guntur, India

B. TECH IN ROBOTICS & AUTOMATION ENGINEERING Aug 2022 – May 2025

Vignan's Foundation for Science, Technology & Research | Guntur, India

DIPLOMA IN AUTOMATION & ROBOTICS ENGINEERING May 2019 - Jun 2022

Central Institute of Tool Design | Hyderabad, India

Skills

- Computer Languages: C, Python, Html
- Development Boards: Arduino Uno/Mega, Raspberry Pi, Jetson Nano
- Soft Skills: Communication, Project management, Adaptability, Initiative
- Technical: Robot Operating System (ROS), Robot Process Automation (RPA), CAD Modelling, OpenCV

Expertise

- Mobile robotics, CAD Modelling, 3D printing, ROS, OpenCV

Projects

VISHISHTAH | A Semi-Humanoid Robot with Autonomous Capabilities 11/2023 - Current

- Facial recognition through "OpenCV"
- 6 Degrees of Freedom Arms

VINATA | Interactive Greeting Robot**02/2023 – 03/2023**

- Prosthetic Arm by FDM technology
- Raspberry Pi control

IRAVATH | Autonomous Rover with Rocker-Bogie Mechanism**02/2024 - Current**

- Controlled using ROS through Raspberry pi
- Fabricated using FDM technology (materials – ABS, PLA)

PARAG | Self-Balancing Robot**09/2024 – 11/2024**

- Arduino based & MPU based control
- Payload: 2Kg

MBOT | 6 DoF Manipulator made from scratch**11/2023 – 02/2024**

- Modelled in “Fusion 360”
- Pick & place operations in “Gazebo” simulation

Certifications

- The Joy of Computing Python certificate, NPTEL
- Wheeled Mobile Robotics, NPTEL
- Certified Robot Process Automation Practitioner, NAASCOM
- B1 (PET) level in English proficiency, Cambridge University

Achievements

- Received “Student SEED Grant” of Rs. 1.9 Lakhs
- Cleared “Qual’s round” in IRoCU - 2024

Languages Spoken

- English
- Telugu