ANAND D TUGASHETTI

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OBJECTIVE

To pursue a successful career as a Robotic engineer in a globally respected company. Further, to enhance my technical skills and use my skills for the achievement of organizational goals.

EDUCATION

JSS Academy of Technical Education | Bengaluru, India | December 2022 - Present
Bachelor of Engineering in Robotics & Automation
CGPA: 8.16

Tungal Science Composite PU College | Jamkhandi, India | June 2020 – June 2022
Senior Secondary in Science
Score: 73%

Royal Palace School | Jamkhandi, India | June 2019 - March 2020
SSLC (CBSE)
Score: 73.6%

SKILLS

Basics: Python, Analog & Digital Electronic Circuits , Hydraulics & Pneumatics.

Intermediate: Robot Operating System(ROS), Modelling & Design For Manufacturing, Industrial Robot Simulation, Additive Manufacturing , Arduino.

Tools: Autodesk Fusion 360, RoboDk, Gazebo, Automation Studio V8 , NI LabVIEW , Ultimaker cura.

Languages: English, Kannada, Hindi

PROJECTS

A Smart Vacuum Cleaner Robot

Tools Used: Ultrasonic Sensor, Arduino Uno, Motor Drives , Servo Motor, Python programming.

Features: This project aims to design an autonomous robot the robot moves efficiently, avoids collisions, and activates a vacuum motor to clean the area, offering autonomous operation and obstacle avoidance.

Mobile Robot using ROS

Tools Used: Raspberry Pi , Ultra sonic Sensor, Encoder Motor, Arduino Uno , IMU sensors, Motor Drive.

Features: This robot that can navigate and interact with its environment. It uses sensors and ROS for path planning, obstacle avoidance, and real-time data processing for efficient operation.

Autonomous Obstacle Avoiding Robot :

Tools Used: Ultrasonic Sensor, Arduino Uno, Motor Drives, Servo Motor, Encoder motors, Python .

Features: A robot that can navigate its environment independently by detecting and avoiding obstacles. Using sensors and an intelligent algorithm, the robot adjusts its path for smooth, collision-free movement.

CERTIFICATES

Robot Arm in Industries Certificate - Infosys Springboard , Issue Date: November 2024.

Additive Manufacturing Certificate- OpenLearn , Issue Date: March 2025

Industrial Robotics Certificate -Udemy , Issue Date: March 2025 .