

DILIP KUMAR S

ROBOTICS AND AUTOMATION

CONTACT

☎ 9361923327

✉ letsmaildilip@gmail.com

📍 Thyappan nager , Thirupattur

🌐 www.linkedin.com/in/dilipkumar-963b27294

EDUCATION

Bachelor of Technology in Robotics and Automation

RAJALAKSHMI ENGINEERING COLLEGE, CHENNAI.

RELEVANT COURSEWORK

Robotic System Design, Automation and control Systems ,Artificial Intelligence, Machine learning, Embedded Systems, Robotics Programming

TECHNICAL SKILLS

Programming Language:

Python, Matlab.

Robotics software: ROS2 (Robot Operating System), SolidWorks, AutoCAD (Basic)

Hardware : Arduino, Raspberry Pi, Sensors, Actuators

Tools : Git, Trello

LANGUAGES

- English
Full professional proficiency.
- Tamil
Native or bilingual proficiency.
- Telugu
Limited working proficiency.

PROFILE

With boundless enthusiasm, I am a second-year Robotics and Automation Engineering student, eager to transform classroom knowledge into real-world innovations. Passionate about robotics and problem-solving, my curiosity drives me to constantly seek new knowledge. As a fast learner, I am ready to tackle challenging projects and make a significant impact in the field of robotics and automation.

EXPERIENCE

Robotics Lab

Instructor for Juniors

- Assisted in assembling and programming robotic kits for college projects.
- Conducted basic troubleshooting and maintenance of project equipments.
- Supported junior students in their projects by collecting data and running simulations.

PROJECTS

📦 **Human-Following Robot:** Designed and built a robot capable of following a person autonomously using computer vision and sensor integration.

Autonomous Incineration Bot: Applied for a design patent on a bot with a robotic arm capable of sorting waste and incinerating non-biodegradable materials to reduce landfill usage

Computer Vision app: Utilized Azure's Computer Vision API to implement features such as object detection, face recognition, and text extraction from images.

CERTIFICATIONS

📦 **Aerial Robotics** – Unmanned aerial vehicle-

University of Pennsylvania- Coursera

Computer vision- Microsoft, IBM-Coursera

3D printing - LinkedIn

Solidworks-linkedin,udemy