

Iokesh. R

- Hands-on experience with ROS (Robot Operating System) and simulation tools like Gazebo
- Completed projects in robot design, control systems, and sensor integration
- Familiar with machine learning and computer vision applications in robotics
- Skills in 3D modeling and rapid prototyping using CAD software and 3D printing

projects

AGV

APRIL 2023

- AGV for Earthquake Victim Search and Rescue
- Purpose:
- Designed to navigate through unstable, debris-filled environments to locate survivors trapped after earthquakes
- Key Features:
- Compact and rugged design for maneuvering through tight spaces and over rubble
- Advanced sensor array:
- Thermal cameras for detecting body heat
- Acoustic sensors to pick up faint sounds or voices

solar scarecrow and animal replenter

Solar Scarecrow and Animal Repellent

Purpose:

- Protect crops and gardens from animal intrusion using environmentally friendly, solar-powered technology

Key Features:

1. Solar Power System:
 - Photovoltaic panel for energy collection
 - Battery storage for 24/7 operation
2. Motion Detection:
 - Infrared sensors to detect approaching animals
 - Adjustable sensitivity and range

drone for safety engineers

Adrenaline Delivery System:

- Temperature-controlled compartment to preserve adrenaline
- Multiple doses available for multiple recipients or repeated administration
- Auto-injector mechanism for rapid and safe delivery
- Environmental Sensors:
- Air quality monitors to detect hazardous substances
- Thermal imaging for fire detection and victim location

Educational Background

park college of engineering and technology

bachelors in robotics and automation

sept 2021- june 2025

8.2%

government polytechnic college

diploma in mechatronics

march 2019- aug 2021

78%

Dr.sivanthi adithanar mr. hr. sec school

sslc

April 2017 - october 2018

65%

Contact

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Skills

Technical Skills

- Robot path planning
- Robot designing
- iot projects
- embedded projects
- electrical product design
- electrical prototypes design
- web development
- front end development
- backend development
- ui/ux design

Tools/Software

- NIX platforms
- protius software
- python idle
- java idle
- visual studio code

Languages

- English (Fluent)
- Tamil (Proficient)