



KAVIRANJANI V

ROBOTICS ENGINEER

CONTACT



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My Portfolio



79/M Thanneerpandhal palayam
erode - 638 005

EDUCATION

B.E Electronics and Instrumentation

Bannari Amman Institute Of
Technology
Oct 2020 - May 2024
CGPA : 8.1

Higher Secondary Education

Adharsh Vidyalaya Matric Hr.
Sec. School
Jun 2017 - Apr 2019
Grade : 76%

Secondary Education

Bannari Amman Vidhya Niketan,
Matriculation school
Jun 2011 - Apr 2017
Grade : 97%

SKILLS

- Python
- C++
- 3D D
- 3D Printng
- Opencv
- Deep Learning
- Control Panel Wiring

OBJECTIVE

I love taking on challenges and learning new things. I'm always looking for ways to use my skills to help my team grow. Making a positive impact is what keeps me going.

PROJECTS

- Next Generation Crime Detection System using AI vision system and deep learning models.
- A customized package delivery drone with autonomous navigation picks up and delivers packages accurately.
- Developed an autonomous six-axis articulated robot using inverse kinematics and a deep learning model from scratch.
- Autonomous Mobile Manipulator (AMM) system, designed to achieve autonomous navigation and manipulation tasks.
- Designed a drone for optimal stability through careful management of the center of gravity, aerodynamics, and advanced controls.
- Developed a medical drone which responds to accidents and transmits crucial info to the nearest hospital for swift response.
- Designed and simulated a quadruped robot using inverse kinematics in Gazebo simulation(ROS).
- Smart home Automation using IoT and AI

■ PERSONAL TRAITS

- Strong Work Ethic
- Goal Oriented

■ HOBBIES

- Doodle Art
- Dance
- Gaming
- Craft

■ LANGUAGES

- English 
- Tamil 
- French 

■ INDUSTRIAL PROJECTS

- Learned and installed a burner in the tank-making industry.

■ ACHIEVEMENTS

- Winner in KAVACH 2023 - Cyber security National Hackathon, issued by Government of India.
- 2nd runner up in Smart India National Hackathon, issued by government of India.
- Got Excellence Award in Flipkart Grid 4.0 Robotics challenge, issued by Flipkart.
- Finalist of Hackfest 2023 and was rewarded with an enticing internship offer from Mistral Solutions.
- Earned 23rd position in the Aerathon 2023 organized by Society of Automotive Engineers (SAE).
- Earned the title of national finalist in Flipkart Grid 5.0 organized by Flipkart.

■ JOURNAL PUBLICATIONS

- Vinithkumar T , Kaviranjani V , Sivabalakrishnan R "Design, Fabrication and Control of Quadraped Robot for Elderly People Assistance" Iconic Research And Engineering Journals Volume 7 Issue 4 2023 Page 238-242