

Kishore Paranthaman

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Education

Vellore Institute of Technology - Chennai, India.
B.Tech in Electronics and Communication (Ongoing) (2020-2024)
Key Course : Computer Vision
Velammal Vidhyashram - Chennai, India.
Certificate of Higher Education - Computer Science (2020)

Technical Skills

1. **Programming Languages :** C, C++, Python, R, Core Java.
2. **Software and Techniques :** ROS ,OpenCV, MATLAB, ML, Deep Learning - CNN, Reinforcement learning.
3. **Micro-controllers :** Arduino, STM boards, ESP8266 .

Professional Experience

HCL Technologies Ltd Chennai, India

Robotics Research Intern Dec 2021-Jun 2022

AI and Robotics-based 3D Bin Picking

- ROS Integration of Intel Realsense with xArm (Cobot fromUfactory)
- 2D object detection using YOLOV5 object detection algorithm
- 6D pose estimation training and simulation for custom dataset
- 3D bin picking by combing the detection model and xArm

Technocrats Robotics, VIT Chennai, India

Robotics Engineer Mar 2021 - Present

- Working in the department that develops Robots for ABU Robocon as programming person.

Project

- Autonomous Path Planning Robot using OpenCV and PID Algorithm

Professional Certificates

- ROS for Beginners: Basics, Motion and OpenCV conducted by Udemy 2021
- Deep Learning Specialization by Deeplearning.AI conducted by Coursera 2022
- Machine Learning Foundations conducted by Coursera 2022
- C, C++, Core JAVA Professional Certified by FIIT 2018
- Best Robot Performance Award for First Lego League (FLL) Regional 2015
- Robotics Basics 2 year course conducted by 3B Roboskool) 2014-16
level: Professional in Lego Mindstorms EV3 and NXT.