

# Kishore Paranthaman

+91 9940334698 • kishoreparanthaman@gmail.com

## Education

---

### Bachelor of Technology, Vellore Institute of Technology, Chennai, India

Major: Electronics and Communication

Key Course : Computer Vision

Sep '20 - present

CGPA: 8.68/10

### Certificate of Higher Education, Velammal Vidhyashram , Chennai, India

Major: Computer Science Grade : 91.2%

Jul '20

## Professional Experience

---

### Robert Bosch Center for Cyber Physical Systems, Indian Institute of Science, Bangalore, India

Advisors: Prof. Bharadwaj Amrutur, Dr. Josephine Ruth D

#### Summer Internship

- Implemented Target motion using ROS Moveit on KUKA LBR iiwa R820
- Used Aruco Markers for Pose Estimation
- Executed Visual Servoing based on Aruco marker using Intel realsense D455

Aug '22-Nov '22

#### Project Intern

- Currently working on Implementing a Cobot on AGV to develop a Robotic Lab assistant for doing LC-MS (Chemistry Lab Experiment)
- Developing algorithm to use dual arm Robot to achieve Human - like - Robot Imitation

Nov '22 - present

### HCL Technologies Ltd, India

#### Robotics Research Internship

AI and Robotics based 3D Bin Picking

- Performed 3D bin picking by performing 6D pose estimation for custom dataset through ROS interface.

Dec '21 - Jun '22

### Technocrats Robotics, Vellore Institute of Technology, Chennai, India

#### Robotics Engineer

- Programmed Robot for ABU Robocon 2022 Competition's problem statement.
- Implemented a PI controller for Robot to implement shooting motion with respect to the camera feed.
- Teleoperated the Robot using the MQTT Protocol

Mar '21 - Jun '22

#### Robocon Team Lead

- Leading the Team and Implemented Autonomous Ring Shooting System for Robocon 2023.
- Performed Robot to Robot Calibration for Passing Between Robots.

Jun '22 - present

## Software and Technical Skills

---

C, C++, Python, Core Java, ROS, OpenCV, MATLAB, ML, Deep Learning - CNN, Reinforcement learning.

## Academic Projects

---

- P2P Path Planning Robot using Visual PID and Gyro Correction
- Apple Fruit Disease Detection using Cycle-GAN
- Precision Farming using KNN ML Algorithm

2021

2021

2020