

GOKUL NARAYANAN SATHYA NARAYANAN

91-9488544250



gokulnarayanan247@gmail.com



[linkedin.com/in/gokul-narayanan](https://www.linkedin.com/in/gokul-narayanan)

WORK EXPERIENCE

ASIMoV Robotics Pvt Ltd, Kerala, India

Senior Robot Software Engineer

June 2017- Present

- Developed custom hardware interface node using ros controllers for a 6DOF manipulator.
- Developed inverse kinematics package for constrained motion planning problem, abstracting Moveit API's.
- Benchmarked various OMPL planners on a 6 DOF manipulator for constrained motion planning problem.
- Implemented Cartesian path planner for waypoint navigation of a 6 DOF manipulator.

Robot Software Engineer

May 2016-June 2017

- Developed top level task planner for a receptionist robot using state machines in ROS.
- Developed overall software architecture, integrating custom built perception, navigation and manipulation packages in ROS for a mobile humanoid robot.
- Deployed our country's first robotic bank assistant 'Intelligent Robot Assistant(IRA)' in HDFC bank.

INTERNSHIP AND TRAINING

ASIMoV Robotics Pvt Ltd, Kerala, India

January 2016-April 2016

Robot Operating System Intern

- Developed local planner and implemented it in the mobile hospitality robot 'Intelligent Robot Assistant (IRA)' for autonomous navigation in the indoor environment.
- Implemented intelligent human eye gaze tracking functionality to enhance human-robot interaction.

FANUC Robotics, Bangalore

June 2015-July 2015

Robot programmer intern

- Programmed industrial robot arm for the assembly operation of motor pumps and also designed a robot cell for the same.

IIT Kharagpur

May 2015-June 2015

Electronics intern

- Built a ROS based soccer playing robot which can track and hit the ball towards the goal post.

EDUCATION

PSG College of Technology

August 2012-May 2016

Bachelor of Robotics and Automation Engineering

CGPA: 8.94/10

ON-CAMPUS WORK AND INVOLVEMENT

Co-Secretary of Robotics and Automation Association, PSG College of Technology

April 2015

- Attended and contributed to meetings related to University improvement.
- Introduced student teaching scheme and discussion forum for the same.

VOLUNTEER/SERVICE WORK

- Active student volunteer in National Service Scheme (NSS).
- Scribe volunteer for visually impaired students.