

DANI JOHNSON

ROBOTICS AND AUTOMATION ENGINEER

CONTACT

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SKILLS

- C,C++
- Python
- Robot Operating System(ros1,ros2)
- fusion 360
- ABB robot studio
- PLC Programming
- HTML5
- CSS3
- Solidworks
- Spark AR
- Microsoft office
- Blender
- Adobe premeire pro,photoshop.

LANGUAGES

- English
- Malayalam
- Hindi
- Tamil

HOBBIES

- coding
- football
- 3d modelling
- cycling

ABOUT

A dynamic and hard-working individual looking for a responsible position to gain practical experience. Equipped with skills in workflow optimization, debugging and keen interest in mastering emerging tools. Actively seeking opportunity to leverage my engineering knowledge and hands - on abilities to drive impactful innovations.

PROJECTS

The NIVI Bot

- Mobile Robot Project that implements Obstacle Avoidance and Mapping (SLAM), with Localisation of the robot in its environment
- Major application is in Surveillane and Defense

The Xbot

- A multipurpose autonoumous moblie robot which can carry 50kg load
- Path planning Algoritm for an Autonomous Mobile Robot .

EDUCATION

- Btech in Robotics and Automation**
Toc H Institute of Science and Technology 2019 - 2023
CGPA - 7.25
- Higher Secondary Education**
SNDP HSS Udayamperoor 2016- 2017
Percentage - 86%
- High School**
St. Ignatius V&HSS Kanjiramattom 2016- 2017
Percentage - 96%

INTERSHIPS AND WORKSHOPS

FANUC	Robot programming course at Fanuc India Worked on industry robots. Learned RoboGuide Software which is an offline programming robot simulation software on the market for FANUC Robots.
BOSCH REXROTH	Internship program on Industrial Automation -(PLC Programming ,Electro-Pneumatic / Hydraulic Electronic Circuits)
TRIZLABZ	Completed an internship with Trizlabz R&D Robotics department at Trivandrum Successfully contributed on the development of an industrial grade mobile robot ,designed and implemented a path planning algorithm for the robot optimizing its efficiency and usability. Acquired in-depth knowledge and hands on work with various sensors,raspberry pi,Arduino,etc applying them in robotic projects.created comprehensive circuit diagram and mechanical design .

ACADEMICS AND EXTRA CURRICULAR ACTIVITIES

- Member at Robotic Society of India.
- Active member of NSS (National Service Scheme-TIST)
- Completed an internship in a hospital as an Emergency Medical Technician (EMT)