

Jayakrishnan P U

■ ROBOTICS AND
AUTOMATION ENGINEER
UI/UX DESIGNER

📍 Kerala, India



- ✉ jayakrishnanpu67@gmail.com
- 📞 +91 7559813299
- 👤 www.linkedin.com/in/jayakrishnanpu
- 🔗 github.com/jayakrishnanpu
- 🌐 www.iamjayakrishnan.me

EDUCATION

B.Tech Robotics and Automation

Toc H Institute of Science and Technology

07/2019 – 06/2023

7.92 CGPA

12th Grade

Sree Narayana Public School, Poothotta

05/2018 – 04/2019

Aggregate: 76.35%

10th Grade

Sree Narayana Public School, Poothotta

06/2016 – 04/2017

9.4 CGPA

PROFILE

I am an enthusiastic fresher who has recently completed a B. Tech in Robotics and Automation. With a strong passion for both art and technology, I thrive on challenges that push me outside of my comfort zone. Combining my interests in UI/Ux Design and Robotics, I bring a unique perspective to problem-solving and innovation. With a proactive and motivated approach, I am excited to expand my knowledge and contribute my best to an organization.

INTERNSHIPS AND TRAININGS

Robotics Intern

Trizlabz Pvt.Ltd

09/2022 – 06/2023

I have been actively involved in developing an Indoor Autonomous Robot (AMR). My contributions have primarily focused on mechanical design and supervisory control programs, enabling the robot to navigate autonomously and perform designated tasks efficiently. This experience has further fueled my passion for robotics while honing my skills in mechanical design and programming.

Robot Programming Training

Fanuc India, Bangalore

12/2021 – 12/2021

This training provided me with practical exposure to working with industry robots. Throughout the program, I gained valuable hands-on experience in programming and operating various types of robots commonly used in industrial settings. This training equipped me with the necessary skills to efficiently program and control industry robots, ensuring their optimal performance and productivity.

Robot Programming Course (Online)

Fanuc India

11/2021 – 12/2021

The course focused on learning the RoboGuide Software, a leading offline programming robot simulation software for FANUC robots. Through this course, I gained proficiency in creating and optimizing robot paths, developing workcell layouts, and implementing collision detection mechanisms. This training has equipped me with valuable skills in robot programming and simulation.

SKILLS

- ROS
- PLC Programming
- C++
- Arduino
- IoT
- CAD
- Data Structures and Algorithms
- RoboGuide (Fanuc)
- UI/Ux designing
- Electric Drives and Control
- Kinematics and Dynamics

EXPERTISE

Technical

- Solidworks
- Fusion360
- Linux
- Figma

Languages

- English
- Malayalam

INTERESTS

- Art
- Travelling
- Literature
- Sports

Internships and Trainings

Training Programme on Industrial Automation and PLC

Bosch Rexroth - GPTCK

09/2022 – 10/2022

Throughout the program, I gained practical experience working with industrial PLCs, as well as Bosch Rexroth hydraulic and pneumatic systems. This training equipped me with a strong understanding of industrial automation principles and enhanced my skills in programming and operating PLCs, hydraulic systems, and pneumatic systems.

Projects

File-Bot

05/2022 – 08/2022

The main goal of this project is to employ a robot to deliver files from one workstation to another in a normal office setting. The robot is controlled by an Arduino Mega2560 with an embedded ESP8266 wi-fi module, it also includes RFID, an IR sensor array, and an ultrasonic sensor

Echo

08/2021– 11/2021

The goal of our project was to create a low-cost Augmentative and Alternative Communication(AAC) Device. Our team began working on this project as part of a competition sponsored by the National Institute of Speech and Hearing (NISH), for which we were selected to compete in the final round.

Extra Curricular Initiatives

Digital Skills Facilitator

02/2022 – 06/2022

Tinkerhub Foundation

Created a course structure and rudimentary course on Figma Software.

Design Lead

01/2022– 01/2023

IEEE Student Branch Toc H

Student member

10/2021– 01/2023

Robotics Society of India