AKHIL S NAIR

Robotics and Automation Engineer & Tech Enthusiast

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CAREER OBJECTIVE

- I aim to leverage my technical expertise and creative problem-solving skills to develop innovative solutions that drive real-world impact. With a strong foundation in robotics and automation, I am committed to advancing the field through cutting-edge research and practical applications.

EDUCATION

B.Tech Robotics and Automation Engineering

Saintgits College of Engineering Pathamuttom, APJ Abdul Kalam Technological University

12th Grade

Aravinda Vidyamandiram Pallickathodu, CBSE Board

📅 2019

10th Grade

Girideepam Bethany Central School Kottayam, CBSE Board

📅 2017

WORKSHOPS

- 2-day workshop on Vega Processors and Ecosystem by CDAC, Trivandrum.
- Two-day training on Gesture Controlled Robotics Workshop at Government Engineering College, Barton Hill, Thiruvananthapuram.
- Workshop on Labview, organized by Saintgits College of Engineering.
- Mechanical Workshops and Hands-on labs at Saintgits College of Engineering.
- IOT and Drones workshop at Saintgits College of Engineering by Bennett University.
- Industrial visit at Kerala Electrical Allied Engineering Co. Ltd., Mamala P.O., Kochi.
- Participated in e-Yantra 2022-2023 (Sentinel Drone).

CERTIFICATIONS

- Completed online course 'The Bits and Bytes of Computer Networking' by Google through Coursera.
- Completed online course 'Natural Language Processing (NLP) and Text Mining Tutorial for Beginners' through Simplilearn.
- Completed online course 'Machine Learning' through Simplilearn.
- Completed online course 'AGILE SCRUM MASTER' through Simplilearn.
- Attended offline course in 'Multimedia' by Finch Animation and MAAC, Kottayam.

SOFTWARE

- ROS, RViz, Gazebo, MATLAB, Labview, SCADA.
- SolidWorks, Blender.

AREA OF INTEREST

Mapping   Localization   Robotics   Navigation   AI

TECHNICAL SKILLS

NLP   Competitive Coding   Data Analysis   Basics Of Data Structures   Machine Learning

PERSONAL SKILLS

Self Starter   Flexible & Adaptable   Leadership   Communication

LANGUAGES

C & C++   ●●●●○
Python   ●●●●○

PROJECT WORKS

- Fire Extinguisher Robot Prototype.
- Floor Cleaning Robot.
- Wild Animal Surveillance and Detection using Autonomous Drones.
- Stroke Prediction Based on Lifestyle and Clinical Parameters.
- Emotion Recognition from Human Faces.
- Autonomous Navigation of Cars using Line Detection.
- Maze Clearance Robot.
- Human Follower Robot based on Face Detection and Commands.
- Industrial Pick and Place Warehouse Robot.