**SURYA PRAKASH S**

**PROFILE**

To work in an organization which provides me with ample opportunities to enhance my skills and knowledge along with contributing to the growth of the organization.

**EDUCATION**

* **M.Tech Robotic and Automation**

**CGPA – 6.0 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

* **B.Tech Mechatronics**

**CGPA – 7.81 / 10**

* **Class 12** – 66.33% **2019**

Institution:

* **Class 10** – 64.8% **2017**

Institution:

**TECHNICAL INTERESTS**

Embedded software Development, Implement and test design solutions, Robotics and designs.

**PROJECTS**

**Simulation of automation luggage carrier mobile robot.**

Software used : Fusion 360, Gazebo Simulation, Rviz,

Project Description : Ros based simulation of automation luggage carrier mobile robot

**Developing a semi-automatic pvc pipe bending machine using pneumatic.**

Hardware Used : solenoid valve, air compressor, pneumatic double acting cylinder, control valve, control unit.

Project Description : Bending the pipe manually with some tools might not result in the accuracy of the shape which is rectified by automatic the process.

**Radar ultrasonic sensor and Arduino Nano.**

Hardware Used : ultrasonic sensor, Arduino Nano, Bluetooth, DC servo motor

Project Description : the ultrasonic sensor collect the object information with the help of

Arduino and passed it to processing application.

**TECHNICAL SKILLS**

Auto CAD, Solid works, Mat lab, Automation Studio, MS Office, Python

**LANGUAGES**

English, Tamil

**ACHIEVEMENTS & HONORS**

Attended the CYBERSECURITY AND ARTIFICIAL INTELLIGENCE held at Thiagarajar College of engineering and technology.

●Undergone In-plant Training at Madurai Aavin on Boiler and Refrigeration System in Industry.

●Attended the workshop WHERE QUALITY AND ETHICS MATTER held at thiagarajar college of engineering and technology

●Attended the workshop DESIGN AND SIMULATION OF ELECTRONIC CIRCUITS USING SOFTWARE PACKAGES held at Kamaraj College of engineering and technology.

●Active member in robotics club at college.