

# Manav Iamtur

+91 9404368284 | [manav747804@gmail.com](mailto:manav747804@gmail.com) | [Linkedin](#) | [github](#)

## Education

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<b>JSS Academy of technical education bengaluru</b> Bachelor of Robotics and Automation, 8.23% GPA	<b>2026</b>
<b>Shri Channabasaveshwara PU Science College, Bhalki</b> HSC(PUC), KSEEB, 78%	<b>2022</b>
<b>Jawahar Navodaya Vidyalaya, Bidar</b> SSC, CBSE, 7.43 GPA	<b>2020</b>

## Technical skills

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**Languages:** Python, C, C++, Matlab

**Design:** Autodesk, CAED

**Simulation:** RoboDK

**Operating System:** Robot Operating System (ROS 1)

**Additive manufacturing:** \*in progress

## Projects and workshops

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### Autonomous cleaning robot

Designed and developed an autonomous robot capable of dry vacuum cleaning and wet mopping operations. ROS, Raspberry Pi, SLAM(simultaneous localization and mapping), sensors, Autodesk, additive manufacturing, Microsoft Kinect 360 camera (RGB - D).

### Light seeking or following robot

The Light Following Robot is designed to detect and follow a light source automatically. A Light Seeking Robot can be practically implemented in real-world applications where movement toward a light source is required (Solar Tracking Systems, Scientific Exploration Robots, Automated Plant Monitoring Robots) Arduino uno, motor drives, sensors.

### Workshop on Drone technology for 3 days

Actively participated in a 3-day workshop dedicated to drone technology, where I gained practical insights into the operation, maintenance, and diverse applications of these aerial vehicles.

### Workshop on Robot operating system for 7 days

Completed a comprehensive 7-day workshop focused on the Robot Operating System (ROS). Through this, I acquired hands-on experience in the development, simulation, and deployment of robotic applications utilizing the ROS framework.

### Workshop on RC planes for 4 days

Attended a 4-day workshop that provided a thorough introduction to the realm of RC planes, where I learned about the fundamental mechanics, principles of aerodynamics, and control systems that govern radio-controlled aircraft.

## Certificates

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- Prerequisites for 3D Printing and Additive Manufacturing Issued on November 3, 2023 - Infosys
- Robotics Course Issued on Thursday, July 18, 2024 - Infosys
- Basics of Python Issued on Saturday, November 11, 2023 - Infosys
- Industrial Robotics : Theories for Implementation Jul-Oct 2024 course - NPTEL