

# Manasa K S

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## Objective

Motivated and detail-oriented Robotics and Automation engineering student with a strong foundation in programming and automation technologies. Seeking opportunities to apply technical skills, develop professionally, and contribute to innovative projects.

## Educational Qualifications

Degree	Institution	University/Board	Year of Passing	Percentage/CGPA
Bachelor of Engineering (Robotics and Automation)	JSS Academy of Technical Education, Bengaluru	VTU	2026 (Expected)	[CGPA]
Pre-University (PUC)	Cambridge PU College of Science and Commerce	State PU Board	2022	77.1%
SSLC (10th Grade)	New Oxford International Public School	Karnataka State board	2020	95.2%

## Technical Skills

- Programming Languages: C Programming, Data Structures, Python Programming
- Software: MATLAB
- Tools and Platforms: Arduino, ROS (Robot Operating System)
- Other Skills: Logical Reasoning, Problem Solving, Event Management

## Projects

Mini Project: Automated Warehouse Management Robot Powered by Solar Batteries

- Designed and developed a robot to automate warehouse inventory tasks.
- Integrated solar-powered battery system for sustainable operation.
- Technologies used: Arduino, Solar Energy Systems.

Major Project (Ongoing): Automatic Waste Segregation Robot

- Building an intelligent robot capable of sorting waste automatically into categories (biodegradable, recyclable, hazardous).
- Focused on sustainable waste management practices.
- Technologies being used: Sensors, Automation Systems, Machine Learning (future scope).

## Certifications

- Arduino Workshop (JSS Academy of Technical Education, Bengaluru)
- ROS (Robot Operating System) Workshop

## Co-Curricular Activities

- Participated in Arduino and ROS workshops.
- Involved in robotics-related student activities.

## Personal Details

Date of Birth: 18/02/2004

Gender: Female

Nationality: Indian

Languages Known: English, Kannada, Hindi

## Declaration

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief.

Thank you