

HARSHITHA MC

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SUMMARY

I am an ambitious and academically driven engineering student with a passion for innovation and problem-solving. Possesses a strong foundation in electronics and instrumentation, coupled with a commitment to excellence and a keen interest in contributing to dynamic, forward-thinking environments.

EDUCATION

- **JSS Academy of Technical Education**

Dec 2022-Present

*Bachelor of Engineering in Electronics and Instrumentation Engineering. **CGPA-7.7***

- **Mahesh PU College**

Jun 2020-Jun 2022

*Pre-University Education in Science with **82.5%***

SKILLS

- **Technical Skills:** C Programming, MySQL, HTML, Python, Data Structures
- **Concepts:** MATLAB, Control Systems, Embedded Systems, Internet of Things(IOT), Computer Networks

PROJECTS

- **Voting Machine Using Arduino**

2 months

- Developed a simple and efficient electronic voting system using an Arduino UNO.
- Programmed the device to register and count votes through push-button inputs with results displayed on an LCD screen.
- Included basic security features to avoid duplicate voting and ensure data accuracy.

- **Arduino-Based Vacuum Robot**

3 months

- Built an autonomous vacuum cleaner using Arduino, ultrasonic sensors for obstacle avoidance, and motor-driven suction for debris collection.
- Gained practical experience in robotics, automation, and embedded systems.

- **AI-Based Veggies Harvesting**

Ongoing

- Developed a smart system using AI and sensors to detect ripened vegetables and automate harvesting.
- Utilized image processing for crop recognition and embedded tech for robotic control.
- Focused on improving agricultural efficiency through intelligent automation.

CERTIFICATION

- **AWS Certified Cloud Practitioner Course authorized by Udemy**

Gained foundational knowledge of AWS services, cloud concepts, security, billing and architecture best practices.