

# VISHWANATH REDDY B

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## OBJECTIVE

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To leverage my technical skills and engineering knowledge to contribute to innovative projects and advancements in technology, while continuously learning and growing in a dynamic organization.

## EDUCATION

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**AMC Engineering College ,Bangalore, Karnataka.** **Expected 2025**  
**B E in Electronics and Communication Engineering**  
**CGPA: 8.85**

**Narayana PU College Bangalore ,Karnataka.** **2021**  
**Stream: PCMB**  
**Grade: 96.6**

**Amara Jyothi school, Karnataka.** **2019**  
**Grade: 89.76**

## SKILLS

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<b>Technical Skills</b>	Python, C
<b>Tools/Technologies</b>	AutoCAD, OpenCV, Arduino, ESP32, Google Colab, VS Code, Raspberry Pi
<b>Soft Skills</b>	Problem Solving Leadership, Teamwork, Time Management, Effective Communication

## EXPERIENCE

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**WELLTUCH PVT LTD** **Oct 2023 - Nov 2023**

- Designed smart furniture using AutoCAD. Assisted in CNC machine operations and contributed to production processes.

## PROJECTS

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**Autonomous Garbage Collection Bot:** Developed a Raspberry Pi-based system for autonomous lane navigation. Integrated a robotic arm for object collection, enabling efficient and precise operations.

**Autonomous Robot Navigation:** Created a robot that uses ArUco markers for localization and OpenCV for precise and efficient path navigation.

**ESP32 NES Gaming Console:** Designed a custom gaming console using ESP32 microcontroller and TFT display to run NES games.

## ROLES AND RESPONSIBILITIES

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- **Volunteer, AMC Engineering College's OpenCV Workshop — July 2024:** Organized a technical seminar for 50+ participants and provided hands-on OpenCV training.
- **Volunteer, ML10xImage Classification Competition:** Managed participant inquiries and offered technical support during the event.
- **Teamleader,eYRC2024–25:** Contributed to 2D mapping and drone navigation tasks using ROS 2, Python, and ArUco markers.