

# ARNAV KUMAR

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## EDUCATION

### Jesus & Mary Academy

Darbhanga, Bihar  
64 % CBSE Board

### Sant Longowal Institute of Engineering Technology

Sangrur, Punjab, IN  
Diploma in Computer Science

July 2023 – Present

## EXPERIENCE

### Team Endeavour Member

October, 2023 - Present

Sant Longowal Institute of Engineering & Technology,

- Participated in robotics competitions and projects, developing problem-solving skills and teamwork.
- Designed, built, and programmed robots using C, Python, and Arduino.
- Collaborated with team members to achieve project goals and deadlines.
- Developed strong analytical and critical thinking skills through hands-on experience.

### Gained basic knowledge of drone technology, including:

- Understanding of drone components and architecture
- Familiarity with drone programming languages, such as Python and C++
- Experience with drone simulation software, such as Gazebo and ROS

### E-Yantra Robotics Competition 2024

- Participated in the E-Yantra Robotics project, a robotics competition organized by IIT Bombay.
- Worked on a team project to design, build, and program a robot using Arduino and C programming.
- Developed strong problem-solving skills and teamwork through hands-on experience.

## PROJECT

### Voice Controller Car (Techfest 24)

The Voice Controlled Car project aims to develop a remote-controlled vehicle that can be operated using voice commands. By integrating voice recognition technology with a microcontroller, this project allows users to control the car's movements—forward, backward, left, right, and stop—simply by speaking commands. This innovative approach not only enhances accessibility for users with mobility limitations but also provides an engaging and interactive way to operate a vehicle.

## SKILL

**Language:** HTML, CSS, Python, C++, Arduino Programming,

**Soft skills:** Leadership, Time Management, Communication, Team Work, Critical Thinking.