



# RIYA CHAUHAN



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23/E "Shivgauri", Tilaknagar ,Co. Opp.  
Housing society, Tilaknagar,  
Bhavnagar ,364001

## EDUCATION

Diploma in Electrical  
Engineering

**Sir Bhavsinhji Polytechnic  
Institute**

2020 - 2023

B.Tech in Electronics  
Engineering

**Birla Vishwakarma Mahavidyalaya**

2023 - 2026

## SKILLS

- Enthusiastic in Robotics
- Embedded system
- Microcontroller Programming
- PCB designing
- Teamwork
- Problem Solver

## LANGUAGE

English

Hindi

Gujarati

## About Me

Enthusiastic Electronics Engineering student with hands-on experience in robotics and embedded systems. Eager to apply strong problem-solving and collaboration skills in a dynamic technical role. Passionate about designing innovative hardware solutions and continually expanding technical knowledge.

## Projects & Achievements

### Self-Balancing Robot (2024-2025).

Designed and built a custom self balancing robot with unique mechanical design, using mecanum wheels for omnidirectional movement and self-balancing capabilities. Focused on real-time embedded control and stability optimization.

### Hexapod Robot (2023-2024).

Built a six-legged walking robot with multiple gait patterns, enabling forward, backward, and lateral movement. Focused on embedded control, mechanical stability, and responsive real-time operation.

**FINALIST OF ROBOFEST 4.0 GRAND FINALE**

### Voltage Fluctuation in Electrical Power Distribution system (2022-2023).

Developed a system to regulate voltage fluctuations in power distribution, ensuring consistent output under varying input conditions. Designed for improved performance, reliability, and cost-efficiency compared to traditional stabilizers, with successful simulation and practical validation.

**SSIP AAZADI KA AMRIT MAHOTSAV HACKATHON -2022 GRAND FINALE**

## Internship

### Gayatri Hi-Tech Security System (June - 2024).

Designed a 433 MHz wireless PCB using KiCAD, including schematic capture, layout, and Gerber file generation.

Gayatri Hi-Tech Security System is a leading manufacturer of electronic security systems, including CCTV, fire alarms, and access control solutions, based in Anand, Gujarat.