# ZEEL LADANI

## Electrical Engineer

### contact

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### language

- Gujarati (native)
- Hindi
- English

### Skills

- Electrical machine
- Problem solving
- Hands-on projects
- Innovative thinking
- Adaptability to tools
- Teamwork and leadership
- Electrical components knowledge
- Practical hands-on projects
- Technical curiosity
- Basic programming skills
- exploration and research skills

## About me

Enthusiastic and dedicated Electrical Engineering student with a strong interest in electrical machines and a passion for technology and innovation. Skilled in circuit analysis, electrical component understanding, and hands-on project development, such as designing RFID Door Lock systems. Consistently a top performer academically, demonstrating both technical aptitude and a commitment to excellence. Enthusiast of new theories related to cosmos and technology, constantly seeking knowledge beyond textbooks. Effective at problem-solving, detail-oriented, and adaptable, with a well-rounded personality balancing academics, personal growth, and hobbies like listening to 432Hz music. Motivated to apply my knowledge and learn from industry professionals through hands-on experience.

## Education

**Mahapabbhu Shree vallabhacharya gurukul -choki(sorath)**
class 10th - MAR - 2019

**Diwan Ballubhai higher secondary school - Ahmedabad**

class 12th - MAY - 2021

**RK University - Rajkot**
Diploma in Electrical Engineering
2022 - currently pursuing

## Hobbies

- Developing innovative electronics projects.
- Exploring IoT and automation systems.
- Experimenting with Arduino and microcontrollers.
- Using simulation tools like PSIM and WOWKI.
- Learning and applying concepts of electrical engineering.
- Building custom solutions like home automation and audio systems.

## Referances

**HARDIK DAHIYA**
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# Projects

## BLUETOOTH CONTROLLED HOME AUTOMATION

**Description**: Built a home automation system using Bluetooth technology to control various household devices via a smartphone app. The system provides a simple, wireless solution for managing devices without internet dependency.

**Technologies:** Arduino Uno, HC-05 Bluetooth Module

**Key Features:** Wireless control, easy-to-use mobile app interface, and realtime device management.

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## RFID-Based Attendance System

**Description:** Created an automated attendance system using RFID technology. The system reads RFID cards, logs details like name, enrollment number, roll number, and entry time directly into an Excel workbook.

**Technologies**: Arduino Uno, RFID (RC522), Microsoft Excel Integration

**Key Features:** Accurate and efficient attendance logging, real-time data recording, and secure card-based identification.

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## Smart Door Lock System (RFID and Passcode)

**Description**: Designed a smart door lock system that offers two modes of access: RFID card detection and passcode entry. This project combines security and convenience for home or office environments.

**Technologies:** Arduino Uno, RFID (RC522), Keypad, Servo Motor.

**Key Features:** Dual authentication modes (RFID and passcode), highsecurity features, and user-friendly design.

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## SecurePass RFID System

**Description**: Developed an RFID-based entry management system for secure and automated access control to restricted areas such as colleges, offices, and residential spaces. The system eliminates manual intervention, providing a seamless and efficient solution.

**Technologies**: Arduino Microcontroller, RC522 RFID Module, Servo Motor, Buzzer

**Key Features**: RFID authentication, automated gate operation, enhanced security, and scalability for diverse applications.