



# NIKHIL PAWAR



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F-501 Shree ram Residency near Uma  
vidhyalaya Tarsali (vadodara gujarat)

## SUMMARY

I am a Computer Science Engineering student currently pursuing B.Tech at Parul University, with a strong foundation built through a completed Diploma in Computer Engineering (CGPA 9.47). I have practical experience in developing IoT projects using ESP32, Arduino, and MQTT, and basic web development skills using HTML, CSS, and JavaScript. I am passionate about technology and enjoy building projects that connect hardware and software to solve real-world problems. I am eager to continue learning and contribute to meaningful and innovative tech solutions.

## SKILLS

### IOT & Embedded Systems:-

- ESP32, Arduino Uno, Sensors
- MQTT, Wi-Fi Control
- Arduino IDE, A-Frame
- C,C++ programming

### Web Development:-

- HTML, CSS, JS
- Web Accessibility
- UI/UX (Basic)

## INTERNSHIP EXPERIENCE

### IOT Intern

#### Techo point (vadodara - Manjalpur)

1st Dec 2023 - 30th Dec 2023

- Learned basic electronics and embedded systems.
- Developed small IoT-based projects using Arduino & ESP32.
- Practiced combining software and hardware effectively.

### IOT Intern

#### EQUANIMOUS TECHNOLOGY (vadodara - Alkapuri)

20st May 2024 - 20th June 2024

- Gained hands-on experience with A-frame frameworks for IoT applications.
- Worked with ESP32 boards to implement network-based control using MQTT and Wi-Fi.
- Developed the IOTwin Vision project, where I integrated IoT sensors to simulate a model

## EDUCATION

### (B.Tech) in CSE

- Parul University
- 2025 - Present
- Currently pursuing

### (Diploma) in CSE

- Parul University
- 2022 - 2025
- CGPA: 9.47 (Completed)

### Secondary School (10th Grade)

- Netaji Day School, Dhule
- 2021 - 2022
- Percentage: 84%

## PROJECTS

### IOTwin Vision (IoT Project)

- Built a digital twin system for OEMs to showcase machinery in AR using a web browser.
- Used ESP32 and sensors to control the virtual model through a physical controller.
- Helped reduce transport and exhibition costs by enabling remote product demos.

### Voice-Controlled Exam Webpage (Web Project)

- Created an accessible exam system using HTML, CSS, and JavaScript.
- Enabled full voice navigation for disabled users.

### Document Sharing QR App (Web Project)

- Developed a secure web app for uploading and sharing files via QR codes.
- Used Node.js, Express.js, Multer, and qrcode for backend.
- Implemented user authentication and session management.

### IoT Guide App (In Progress)

- Currently developing a mobile/web app to help users learn about IoT components and circuits.
- Aims to provide interactive guidance for beginners with real-world examples and connections.
- Technologies: Android Studio