**Dhruv Rathod**  
Ahmedabad, Gujarat  
+91-9313902348  
[dhrurathod178@gmail.com](mailto:dhrurathod178@gmail.com)

**EDUCATION**

**Pandit Deendayal Energy University, Gujarat**  
B.Tech in Electronics and Communication Engineering  
CGPA: 8.64 (2022-2026)

**Gujarat Secondary and Higher Secondary Education Board**  
Senior Secondary (Class 11 & 12) – 62.41% (2020-2022)  
Secondary (Class 10) – 93.51% (2018-2020)

**EXPERIENCE / INTERNSHIP**

**Sahana Systems Limited**  
Intern  
June 10 – July 10, 2024 | Ahmedabad, Gujarat

* Completed a one-month internship focusing on IoT.
* Gained hands-on experience in embedded systems and automation.

**Satyakam Foundation (Trust)**  
Volunteer Teacher  
June 30 – July 15, 2023 | Ahmedabad, Gujarat

* Taught children from financially disadvantaged backgrounds.
* Provided educational support to bridge learning gaps.

**PERSONAL PROJECTS**

**Autonomous Self-Driving Car**

* Developed a self-driving car using Arduino, ultrasonic sensors, and a motor driver.
* Implemented autonomous navigation with obstacle avoidance.

**RFID RC522 Attendance System**

* Built an RFID-based attendance system using ESP32 and RC522 module.
* Integrated RFID authentication with LED and buzzer feedback.

**Autonomous River-Cleaning Robot**

* Designed a water-surface cleaning robot using Pixhawk and GPS module.
* Implemented real-time tracking and autonomous waste collection.

**TECHNICAL SKILLS**

* **Programming Languages:** Python, C, Verilog, Embedded C
* **Developer Tools:** Visual Studio Code, Arduino IDE
* **Frameworks:** Blynk IoT Platform, Proteus (for simulation)
* **Cloud/Databases:** Firebase, Blynk IoT Cloud
* **Coursework:** Microcontroller Programming, Digital Logic Design, IoT Systems, Robotics
* **Areas of Interest:** Embedded Systems, IoT, Automation, Sensor Networks, AI in Autonomous Vehicles

**POSITIONS OF RESPONSIBILITY**

* **Volunteer, Radio Day Event**

**ACHIEVEMENTS & CERTIFICATES**

* **One-month Internship Certificate - Sahana Systems Limited**
* **Volunteer Certificate - Satyakam Foundation**
* **CSSI Internship Certificate**