PRIYANSHI B. MEHTA

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📍 **F-104 Serene Lifestyle, Opp. Vishwakarma Temple, Nr. Gota over bridge, Chandlodia, Ahmedabad - 382481**

An Electronics Engineering professional looking to work effectively in an organization providing myself an opportunity to gain exposure, use my skills and achieve remarkable results, enhancing in company's productivity and reputation.

EDUCATION

Masters in Engineering (ME) – Gold Medalist - Electronics and Communication
Gujarat Technological University [GTU-GSET]   9.1   2020 – 22

Bachelors in Engineering (BE) – Electronics and Communication   7.9   2016 – 19
Silver Oak College of Engineering and Technology [GTU]

Diploma in Engineering (DE) – Electronics and Communication   6.7   2013 – 16
Government polytechnic For Girls [GTU]

SSC (10th)   75.33%   2013
Divine Buds English School [GSEB]

WORKING EXPERIENCE

R & D Engineer [Design Electronics]
SAHAJANAND LASER TECHNOLOGY **-** GIDC Electronics Estate, Gandhinagar
June 2022 – Present

Assistant Professor
GUJARAT UNIVERSITY**-** Department of Animation, IT and Mobile Application
July 2019 – Sept 2021

RESEARCH INTERNSHIP

SPACE APPLICATION CENTRE [SAC] - ISRO, Ahmedabad
Sept 2021 – May 2022

PROJECT EXPERIENCE

Navigation of Drone using NavIC Technology   2021 – 2022
Description: Drone is Dynamically Remote Operated Navigation Equipment.
Work tasks and features:
- NavIC navigation allows drone to fly on its own with its flying destination or points pre-planned and configured into the drone remote control navigational software.
- NavIC is Indian navigational system using Indian satellites, so drone uses this Indian navigation technology for the travelling, delivery or multi-purpose applications.

- This instructs the drone where to fly; at what height; the speed to fly at and it can also be configured to hover at each waypoint (it is the route and destination planner of the drone).

Tools used: Drone components, Microcontroller, Flight Controller, Rf transmitter & receiver.
Technologies Used: NavIC, Autopilot.

Picrowave
2018 – 2019

Description: Picrowave is the title belonging to the microwave oven operated on Raspberry Pi. Picrowave is a high end IoT based device.

Work tasks and features:
- Control Microwave Oven using Picrowave Application in smartphone linked with internet.
- Operating Microwave Oven using Voice Commands.
- Re-designed touchpad for seamless use.

Tools used: Raspberry-Pi, Relay, USB speaker, USB microphone, Smartphone, Microwave Oven.
Technologies Used: Linux, Python, Google Cloud Platform, Google Assistant, Firebase Cloud, Android Studio.

Robotic Commando
2015 – 2016

Description: Robotic Commando is the title belonging to the robot used for the Anti-Terrorist purpose.
Work tasks and features:
- Detects the flammable gas through the gas detector
- Detects the metallic weapons through the metal detector
- Gives information about the surroundings for any terrorist attacks with the help of wireless camera through continuous output on any portable video screen

Tools and Technologies used: Atmega328, Arduino, L293D, Gas detector, Metal detector, Wireless camera, portable video output, UART-USB

Public Counter
2017

Description: Public Counter is a miniature version of Smart homes that helps in optimizing electricity usage
Work tasks and features:
- IR Sensor to detect a person through Black body radiation for activating the system
- LDR sensor for verifying the light in the room, and switch it on in case it is dark after some time delay
- During exit of the person, IR sensor has workflow of switching off first the fan followed by the lamp and the main power supply respectively.

Tools and Technologies used: Arduino, IR sensor, LDR, 5v DC power supply, male-female burg connector.

CERTIFIED TRAINING

Internet of Things (IoT)   June 2018 – June 2019
Embedded Systems Design   July 2015 – May 2016

TECHNICAL SKILLS

- Raspberry Pi
- Embedded Systems
- C – Language
- Internet of Things
- Robotics

- Arduino
- Python
- Linux
- Drone Technology
- Latex