



# PYTHON PROJECT SUBMISSION

Voice Assistant Using Python

## Abstract

This Python-based Voice Assistant project enables users to control their computer and perform tasks like playing music or searching the internet through simple voice commands.

Rudra Miyani

rudra.miyani130158@marwadiuniversity.ac.in

Enrollment No: 92400133129-EK01A

## **Project Discription:**

This project is a simple **Voice Assistant** made using Python.

It can listen to your commands and perform different tasks like opening websites, playing music, checking time and launching some apps.

It's a small but useful personal assistant that works completely on voice.

## **Features**

- **Voice Recognition** – Listens and understands your spoken words.
- **Text to Speech** – Talks back using human like voice.
- **Open Websites** – Quickly opens Google, YouTube, Instagram, Gmail and more.
- **Run Applications** – Launches Notepad, Calculator or Chrome on your system.
- **Play Music** – Plays music from your local folder.
- **Tell Time** – Speaks the current time whenever you ask.
- **Error Handling** – Replies politely if it didn't catch your command.

## **Modules Used**

- `speech_recognition` – for understanding user voice
- `pyttsx3` – for converting text into speech
- `datetime` – for getting current time
- `webbrowser` – for opening sites
- `os` – for running system commands

### **My Steps For Making This Project**

- First I watched a Code With Harry YouTube video about making a voice assistant in Python.
- Then I installed all the libraries he used like speech\_recognition and pyttsx3.
- After that, I wrote the code step by step and tested each part.
- I added more features like opening Gmail, GitHub and Chrome.
- I added the option to play music from my download folder.
- I also fixed some small errors when the assistant couldn't understand the command.
- Finally I tested full project and it worked fine so I uploaded it on GitHub.

**Code Zip File:** [Click To Download....](#)

Demonstration Video : [Click to Watch](#)

Github Link : [Click to Open](#)

**---THE END---**