Build Your Own Sci-fi Ai Personal Assistant.
- A module used to automate and communicate with Humanoid Robots.
[Just a Rather Very Intelligent System.]

This is a piece of Ai software that understands verbal or written commands and completes task assigned by the client. It is an example of weak AI that is it can only execute and perform quest designed by the user. With the python programming language, a script most commonly used by the developers can be used to build your personal AI assistant to perform task designed by the users.

Skills: **The implemented voice assistant can perform the following task it can open YouTube, Gmail, Google chrome and stack overflow. Predict current time, take a photo, search Wikipedia to abstract required data, predict weather in different cities, get top headline news from Times of India and can answer computational and geographical questions too.**

Packages required:

To build a personal voice assistant it’s necessary to install the following packages in your system using the pip command.

1) **Speech recognition** — Speech recognition is an important feature used in house automation and in artificial intelligence devices. The main function of this library is it tries to understand whatever the humans speak and converts the speech to text.

```
conda install -c conda-forge speechrecognition
```

2) pyttsx3 — pyttxs3 is a text to speech conversion library in python. This package supports text to speech engines on Mac os x, Windows and on Linux.

```
pip install pyttsx3
```

3) wikipedia — Wikipedia is a multilingual online encyclopedia used by many people from academic community ranging from freshmen to students to professors who wants to gain information over a particular topic. This package in python extracts data’s required from Wikipedia.

```
conda install -c conda-forge wikipedia
```

4**) datetime —** This is an inbuilt module in python and it works on date and time

5**) os —** This module is a standard library in python and it provides the function to interact with operating system

6**) time —** The time module helps us to display time

7**) Web browser —** This is an in-built package in python. It extracts data from the web

8**) Subprocess —** This is a standard library use to process various system commands like to log off or to restart your PC.

9**) Json-** The json module is used for storing and exchanging data.

10**) request -** The request module is used to send all types of HTTP request. Its accepts URL as parameters and gives access to the given URL'S.

11) wolfram alpha — Wolfram Alpha is an API which can compute expert-level answers using Wolfram's algorithms, knowledge base and AI technology. It is made possible by the Wolfram Language.

```
Pip install wolframalpha
```

12) instaloader - This Api deals with loading instagram data , downloading and uploading featured images and files to it.

```
pip install instaloader
```

```
conda install -c anaconda comtypes
```

```
conda install -c anaconda pyaudio
```

```
API KEYS :
```

```
Weather : 8ef61edcf1c576d65d836254e11ea420
https://api.openweathermap.org/data/2.5/weather?”
```

```
wolframalpha :
```

```
app_id=“R2K75H-7ELALHR35X"
```

Sample commands to deal with JARVIS :

1. Hey JARVIS , Who are you
2. Who created you ?
3. JARVIS can you show up some news
4. Whats the time now ?
5. What’s the weather now ?
6. Who is Elon Musk according to wikipedia
7. Who founded neural link according to wikipedia
8. Can I ask you something ? - what’s tan 45 digrees , what’s the distance between earth & moon
9. Do you have feelings for humans ?
10. Can you download instagram dp ?
11. Much more can be added …….