

J.A.R.V.I.S. AI DESKTOP VOICE ASSISTANT

DOCUMENTATION

Instructions:

- ★ Before getting started with JARVIS, please ensure that your local machine has already installed with the Python version 3.8.10 or later. Or [click here](#) to install.
- ★ To set-up your Personal Account with Jarvis, all you need to have the API Authorization Keys for Fast2SMS, OpenWeatherMap and Wolframalpha Services and you also have to set-up your App-Password with your Google Account. You can get your API Keys from the given links. Simply Copy and Paste those keys where they are required.
 - **Email** - You must create an App password. Going to [Google account](#). Security tab. After active 2 Step Verification, a new option under "Signing in to Google" the "App passwords" option will be activated. Just create one app password and use as password to authenticate
 - **Fast2SMS API** - Get your API Authorization Key [here](#).
 - **OpenWeatherMap API** - Get your API Authorization Key [here](#).
 - **Wolframapha API** - Get your API Authorization Key [here](#).
- ★ If you are a beginner and don't have enough knowledge about Python and Virtual Environment, then simply go with **Method 1**.
- ★ If you want best results, ensure that you have Good Internet Connection. Because the Speech Recognition gets done over the Internet.
- ★ Please **Do Not Change** any of the File or Folder Names from the folder named "Source Code". It may throw an error or it can affect the source code of JARVIS.
- ★ You can Add or Remove your Favourite Songs in that "songs" folder located in the folder named "Source Code" (Source Code >> songs).
- ★ If you have good knowledge about Python, you can also add your own commands and instructions in conditional statements as you want. Otherwise don't make any change in the source code.

Method 1 - Set-Up Without Using Virtual Environment :

When you are using JARVIS for the first time, you have to install some of the Python Packages and Set-Up it first.

For that you only have to do is, follow this simple steps :

01. Put this “Source Code” folder as it is where you want.
02. Open this “**Source Code**” folder in VS Code Editor or in any other IDE.
(If you don’t have any IDE then you can simply double tap on the file to run it.)
03. Simply run the “**JARVIS.py**” file, which will ask you for your API Keys so just copy your keys and paste over there.
04. Once the setup gets done, then just give voice commands to the JARVIS and get your work done within a second.

Method 2 - Set-Up By Using Virtual Environment :

When you are using JARVIS for the first time, you have to install some of the Python Packages and Set-Up it first as follows.

01. Put the “**Source Code**” folder as it is where you want.
02. Create a Virtual Environment. For that -
 - a. Open “Source Code” folder in VS Code Editor and open New Terminal. or open Windows Command Prompt Window in the “Source Code” folder.
 - b. install the virtualenv tool with pip:

```
pip install virtualenv
```
 - c. virtualenv is a tool. It is used to create isolated Python environments.
To assign a name to your virtual environment, use command

```
virtualenv jarvis
```
 - d. After running this command, a directory named “jarvis” will be created. This directory will contain all the necessary executables to use the packages that the Python project would need. Python packages will be installed in this directory.

Now, after creating a virtual environment, you need to activate it. When you open the directory, it contains folders like include, lib, script, and tcl. When you open the script folder, you'll find a file activate.bat. You can activate the virtual environment by simply clicking on this file or using the command prompt and writing the following command.

```
.\jarvis\Scripts\activate
```

03. Run “**JARVIS.py**” file using command

```
python JARVIS.py
```

which will ask you for your API Keys, so just copy your keys and paste over there.

Note : If you are facing the problem regarding Fast2SMS, Wolframalpha, OpenWeatherMap, or Email Services, then delete the “credentials.pickle” file and re-enter your API Keys correctly by running the JARVIS.py again.