Ocularis – Software Installation Instructions

# Prerequisites

* Ensure you have Python 3.7+ downloaded and installed, along with PIP (python package manager)
* Proceed to install all the package requirements using PIP and pypi.org
  + Note that if you do not have **face\_recognition** installed, you will need to install **cmake** first, followed by **dlib**, and then **face\_recognition**
* Depending on your machine, you will need to grant access to the camera and microphone to the program
  + For example – Windows machines need the **pywin32** package for the program to function correctly.

# Usage

* Once you have the prerequisites installed, enter **git clone** [**https://github.com/gaurav-karna/**Ocularis](https://github.com/gaurav-karna/Ocularis) in the command prompt to clone the repository
* Navigate to the Ocularis\_PY\_Platform folder witb **cd Ocularis/Ocularis\_PY\_Platform**
* Then, enter **python main\_pc\_version.py**
* Shortly, you should hear “Welcome to Ocularis, the blind assistant”, and then the first option of many, “weather”
* Use ‘**d**’ and ‘**a**’ to cycle between the options, and use ‘**s**’ to select that option and wait for the response.
  + Use ‘**q**’ to quit Ocularis.

# Questions

* Contact myself at [gaurav.karna@mail.mcgill.ca](mailto:gaurav.karna@mail.mcgill.ca) or open an issue on our repository