SPRINT 1

DATE	18 November 2022
TEAM ID	PNT2022TMID24852
PROJECT	IOT BASED CROP PROTECTION SYSTEM

SPRINT 1 includes,

- 1)Create an account in Clarifai.
- 2)Cloud account Creation
- 3)Python IDE installation

CREATE AN ACCOUNT IN CLARIFAI

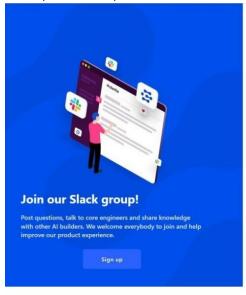
To detect the animals and birds we are using an open-source platform Clarifai. To use this service in the project we need to sign up for this.

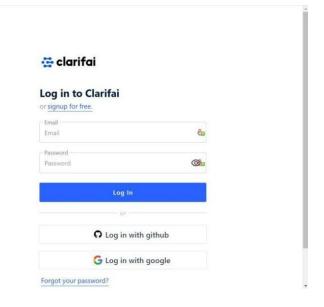
CLARIFAI

Clarifai provides an end-to-end platform with the easiest to use UI and API in the market. Clarifai Inc. is an artificial intelligence (AI) company that specializes in computer vision and uses machine learning and deep neural networks to identify and analyse images and videos. The company offers its solution via API, mobile SDK, and on-premise solutions.

STEP 1:

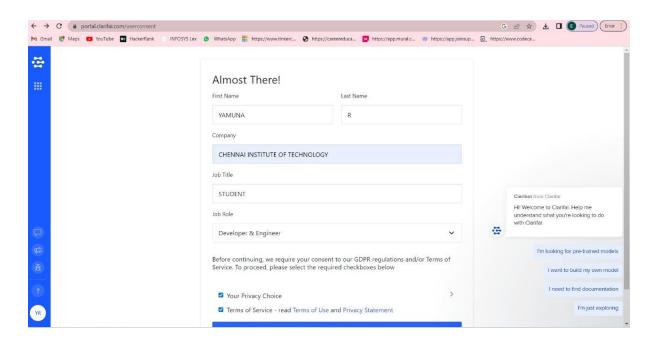
• Open Clarifai portal in web browser





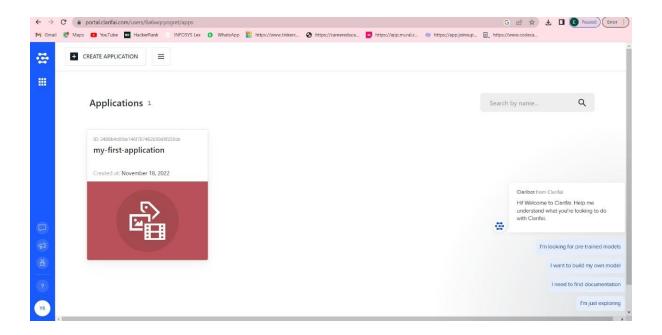
STEP 2:

• Signup using the required user mail and password.



STEP 3:

•Finally, Created an account.



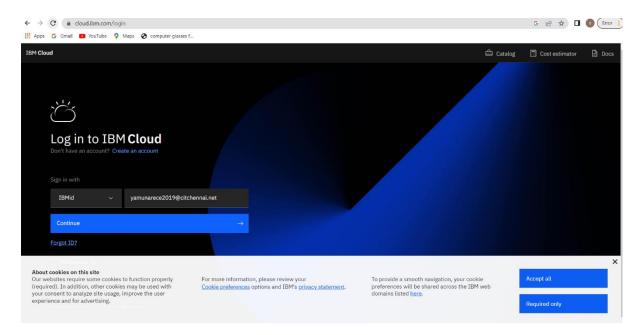
CLOUD ACCOUNT CREATION

We need to have basic knowledge of the following cloud services:

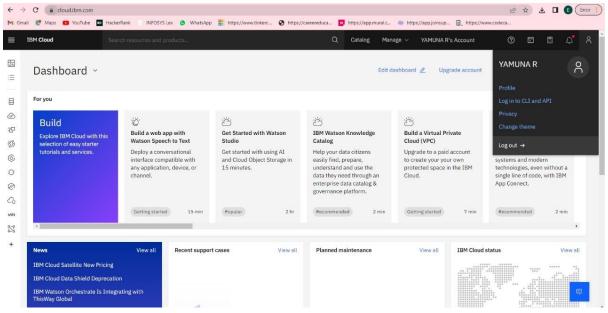
- IBM Watson IoT Platform
- Node-RED Service
- Cloudant DB

We need to create an IBM Cloud Account to complete this project.

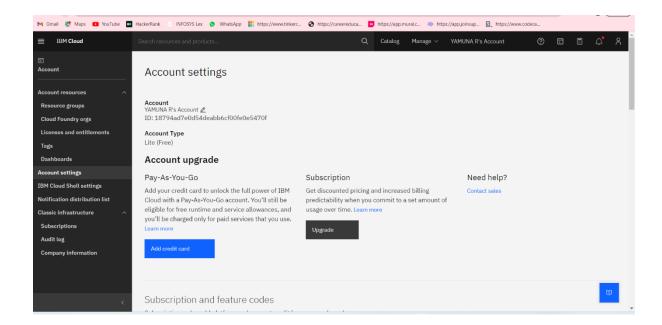
LOGIN:



DASHBOARD



ACCOUNT SETTINGS:



PYTHON IDE INSTALLATION

Python is a computer programming language often used to build websites and software, automate tasks, and conduct data analysis. Python is a general-purpose language, meaning it can be used to create a variety of different programs and isn't specialized for any specific problems.

STEP 1:

Python is installed successfully

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The Cott Seet Debug Concest Window Heep
Python 3.8.4 (tags/v3.8.4:dfa645a, Jul 13 2020, 16:46:45) [MSC v.1924 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> print("hello world")
hello world
>>> |
```

STEP 2:

- The required python libraries are installed.
- Watson IoT Python SDK to connect to IBM Watson IoT Platform using python code is installed
- pip install wiotp-sdK

- Python client library for IBM Text to Speech is installed
- pip install --upgrade "ibm-watson>=5.0.0

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- Required libraries for Cloud object storage is installed.
- pip install ibm-cos-sdk

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| Observation | Description |
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• pip install -U ibm-cos-sdk.

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• pip install boto3

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• pip install resources

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• pip install cloudant

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