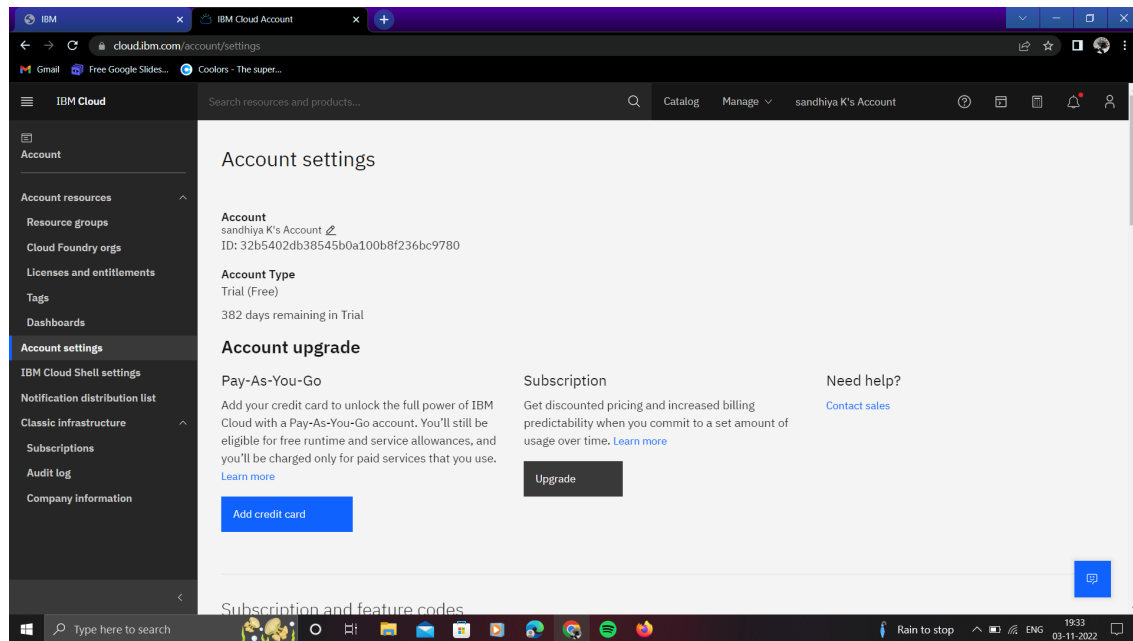
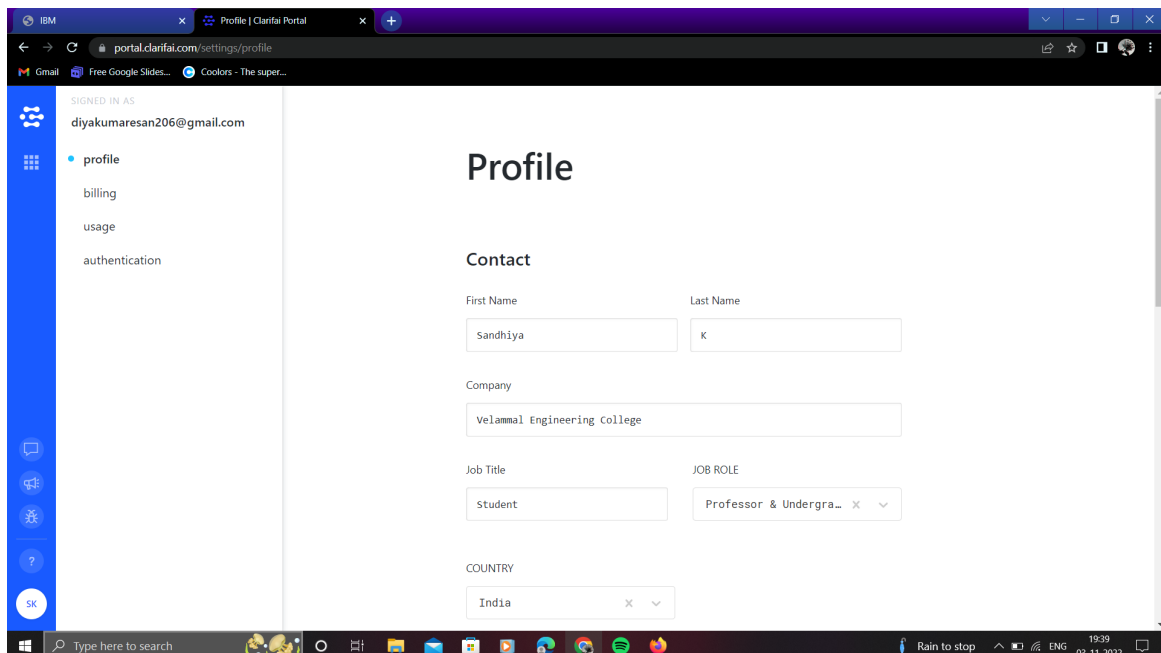


PREREQUISITES

IBM CLOUD SERVICES:



CREATE AN ACCOUNT IN CLARIFAI:



SOFTWARE:

- Python

All python libraries including :

- pip install wiotp-sdk
- pip install --upgrade "ibm-watson>=5.0.0
- pip install ibm-cos-sdk
- pip install -U ibm-cos-sdk
- pip install boto3
- pip install resources
- pip install cloudant

```
Command Prompt

C:\Users\Sandhiya>pip install -U ibm-cos-sdk
Requirement already up-to-date: ibm-cos-sdk in c:\python\python37\lib\site-packages (2.12.0)
Requirement already satisfied, skipping upgrade: ibm-cos-sdk-core==2.12.0 in c:\python\python37\lib\site-packages (from ibm-cos-sdk) (2.12.0)
Requirement already satisfied, skipping upgrade: ibm-cos-sdk-s3transfer==2.12.0 in c:\python\python37\lib\site-packages (from ibm-cos-sdk) (2.12.0)
Requirement already satisfied, skipping upgrade: jmespath<1.0.0,>=0.10.0 in c:\python\python37\lib\site-packages (from ibm-cos-sdk) (0.10.0)
Requirement already satisfied, skipping upgrade: python-dateutil<3.0.0,>=2.8.2 in c:\python\python37\lib\site-packages (from ibm-cos-sdk-core==2.12.0->ibm-cos-sdk) (2.8.2)
Requirement already satisfied, skipping upgrade: requests<3.0,>=2.27.1 in c:\python\python37\lib\site-packages (from ibm-cos-sdk-core==2.12.0->ibm-cos-sdk) (2.28.1)
Requirement already satisfied, skipping upgrade: urllib3<1.27,>=1.26.9 in c:\python\python37\lib\site-packages (from ibm-cos-sdk-core==2.12.0->ibm-cos-sdk) (1.26.12)
Requirement already satisfied, skipping upgrade: six>=1.5 in c:\python\python37\lib\site-packages (from python-dateutil<3.0.0,>=2.8.2->ibm-cos-sdk-core==2.12.0->ibm-cos-sdk) (1.16.0)
Requirement already satisfied, skipping upgrade: certifi>=2017.4.17 in c:\python\python37\lib\site-packages (from requests<3.0,>=2.27.1->ibm-cos-sdk-core==2.12.0->ibm-cos-sdk) (2022.9.24)
Requirement already satisfied, skipping upgrade: idna<4,>=2.5 in c:\python\python37\lib\site-packages (from requests<3.0,>=2.27.1->ibm-cos-sdk-core==2.12.0->ibm-cos-sdk) (3.4)
Requirement already satisfied, skipping upgrade: charset-normalizer<3,>=2 in c:\python\python37\lib\site-packages (from requests<3.0,>=2.27.1->ibm-cos-sdk-core==2.12.0->ibm-cos-sdk) (2.1.1)
You are using pip version 19.0.3, however version 22.3 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

C:\Users\Sandhiya>
```

