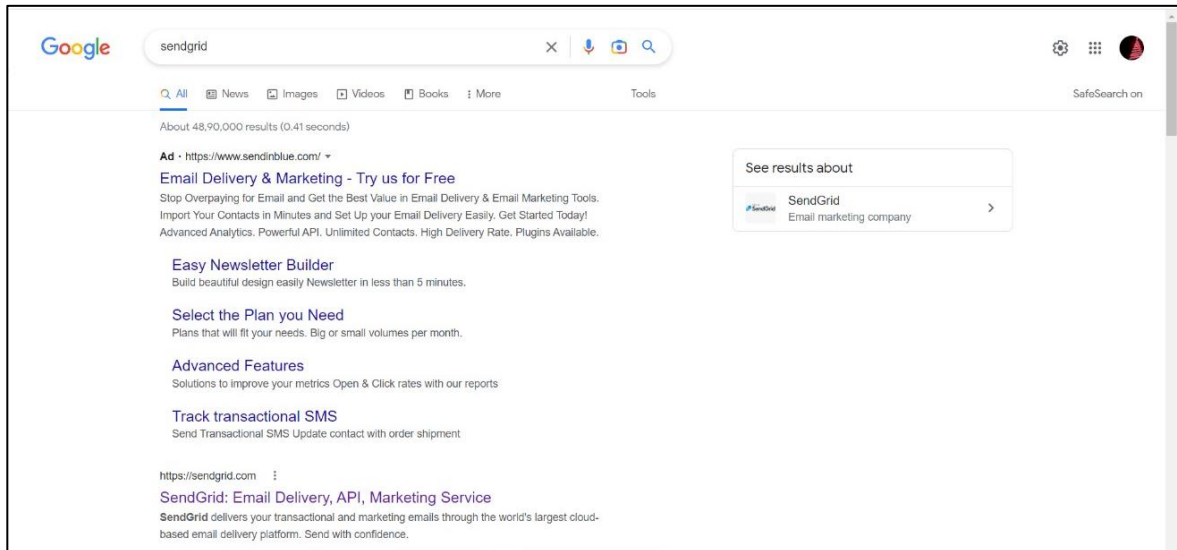


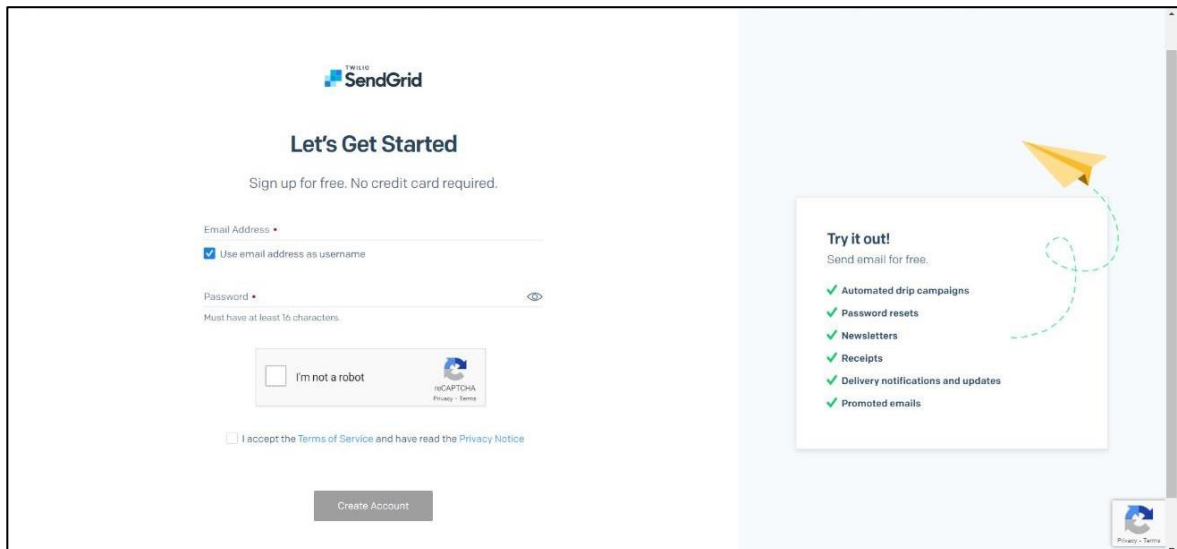
# SETTING UP APPLICATION ENVIRONMENT

## 1. SENDGRID ACCOUNT CREATION

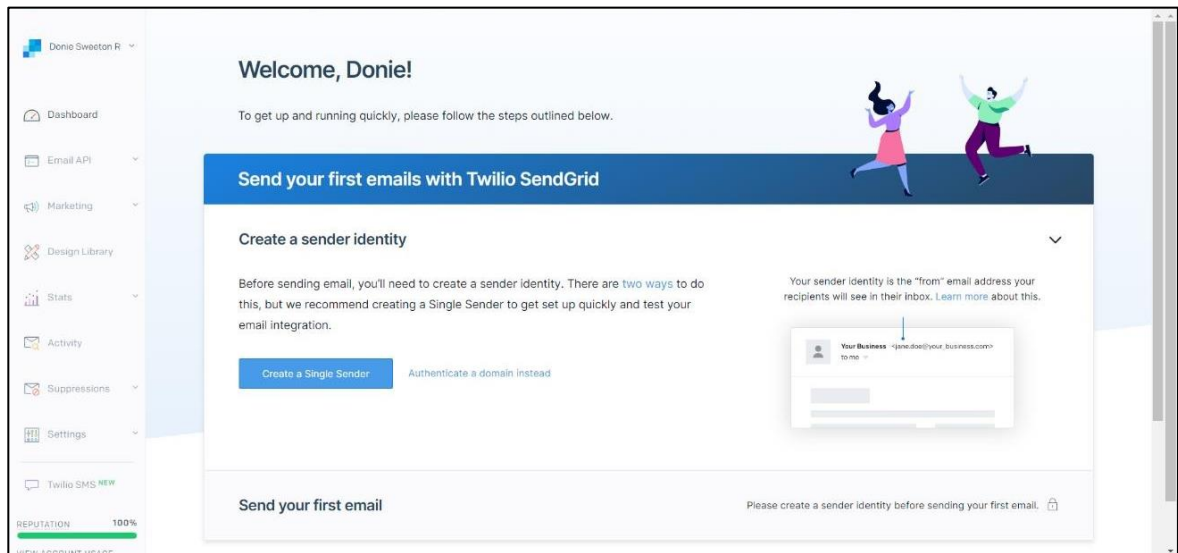
i) Search for the SendGrid (<https://sendgrid.com/>)



ii) Registering new account

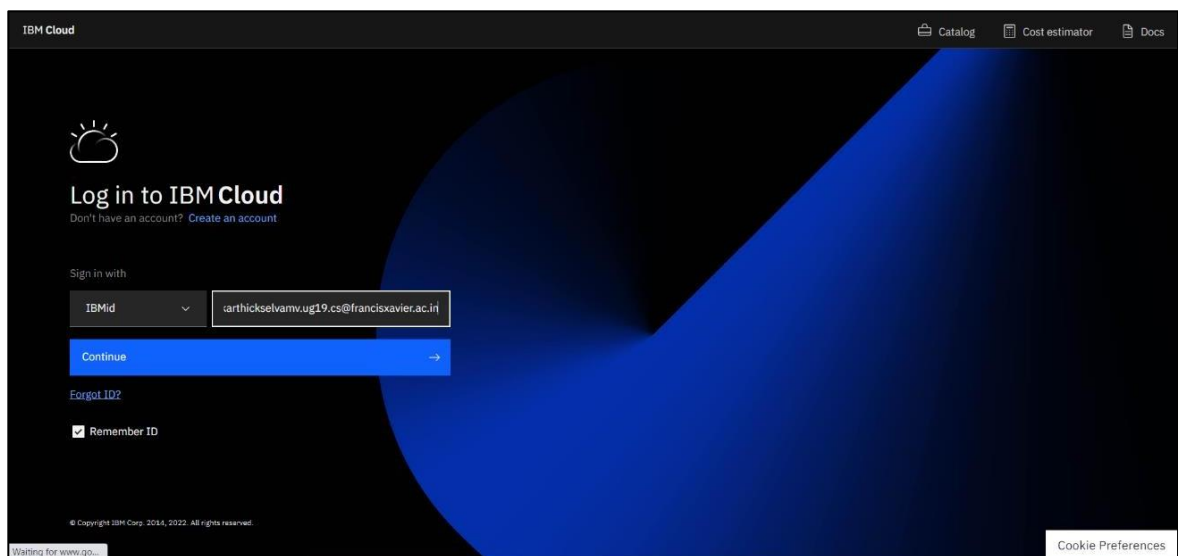


iii) SendGrid account created

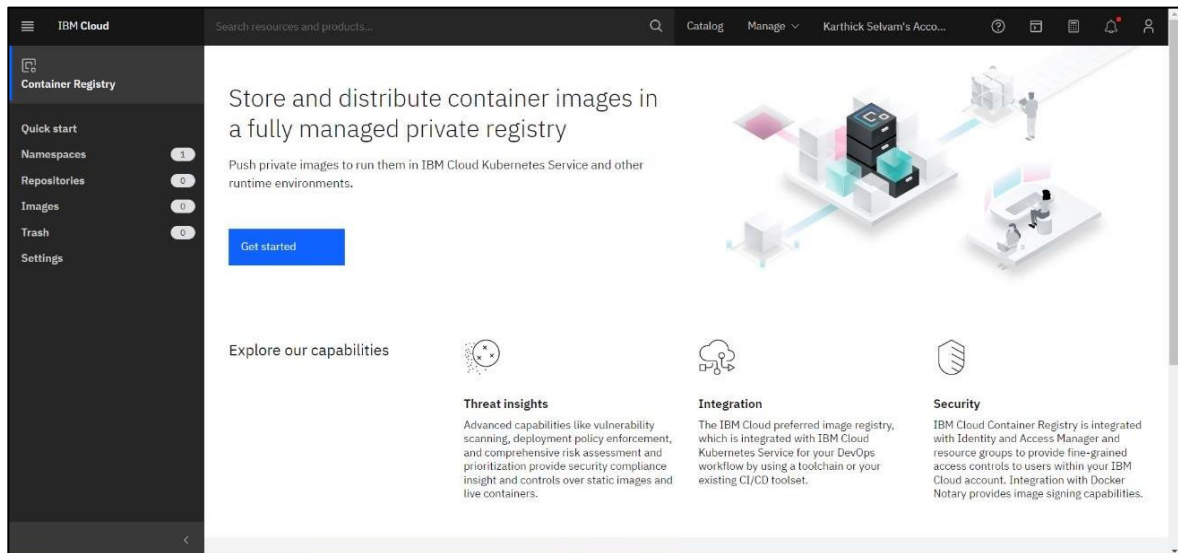


## 2. IBM CLOUD CLI INSTALLATION

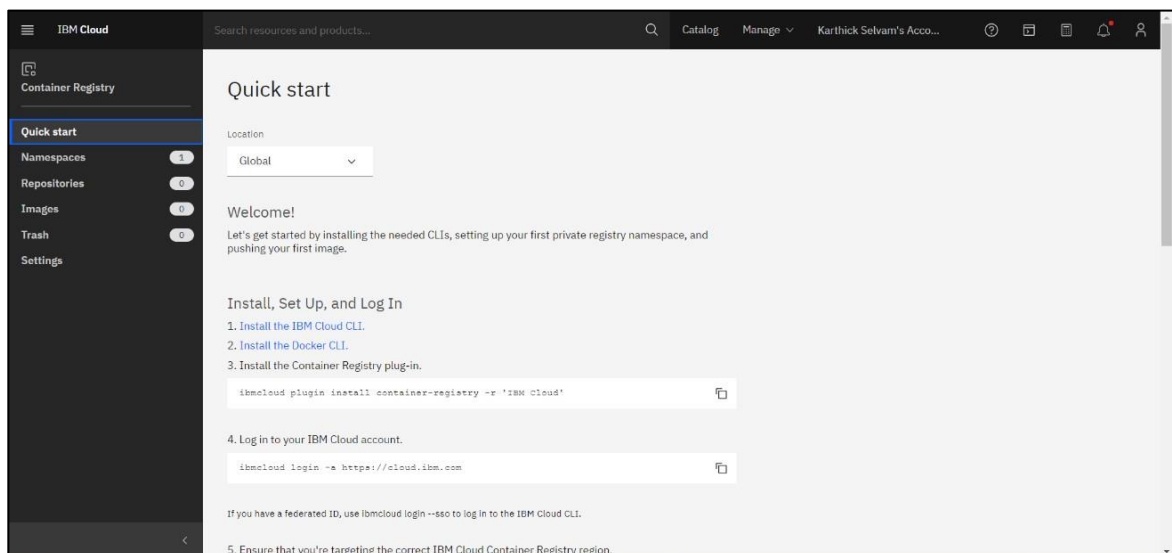
### i) Log in to the IBM cloud



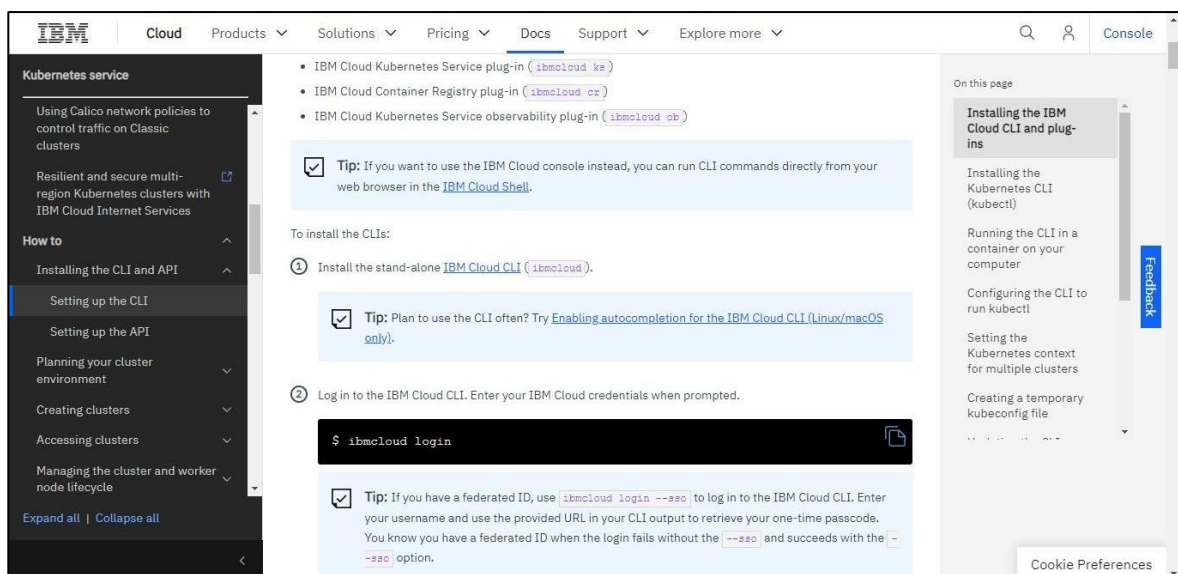
### ii) Select container registry



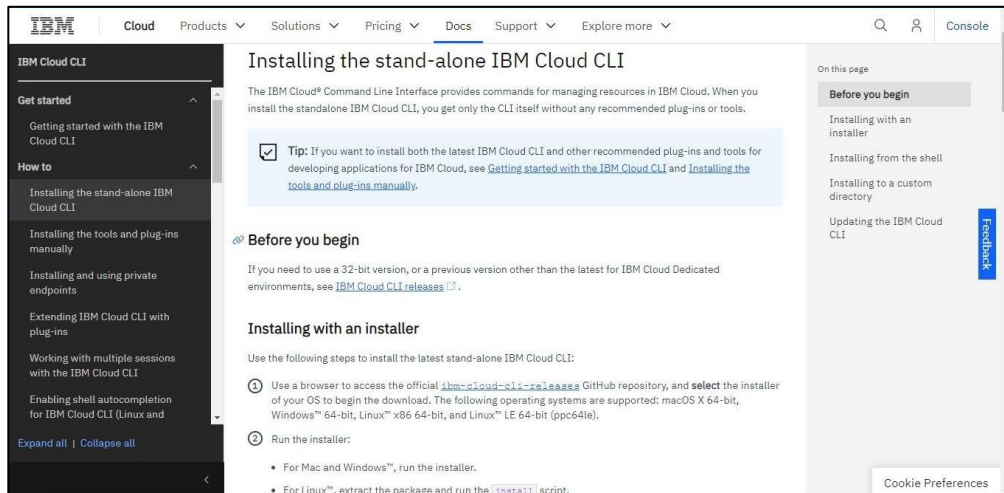
iii) Select Quick Start to open container registry and click on install IBM Cloud CLI



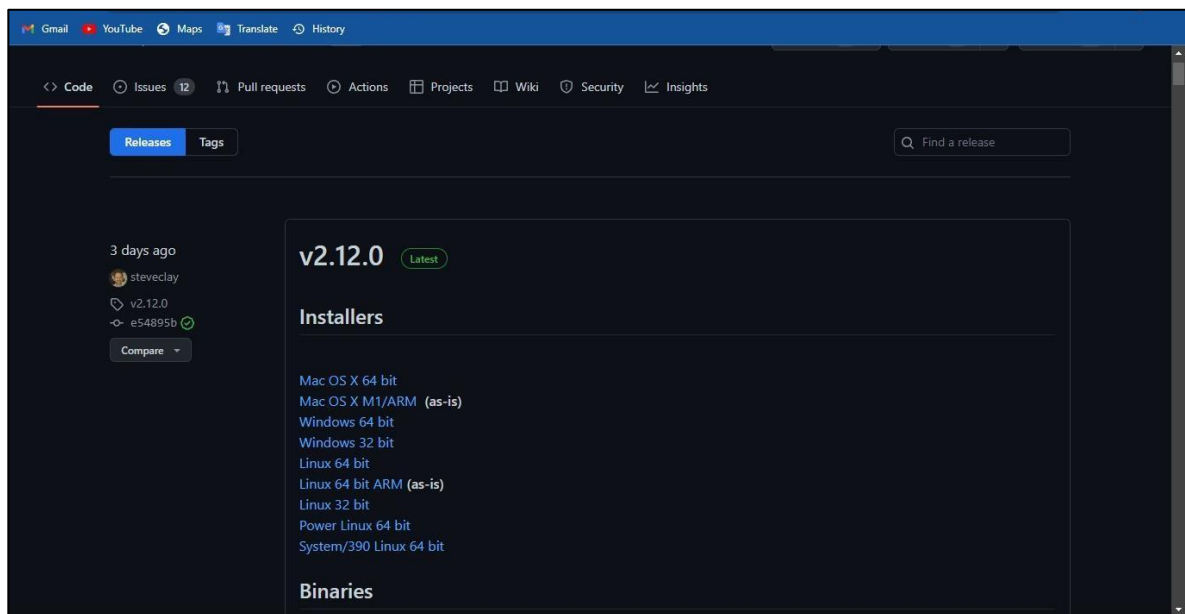
iv) Click on IBM Cloud CLI



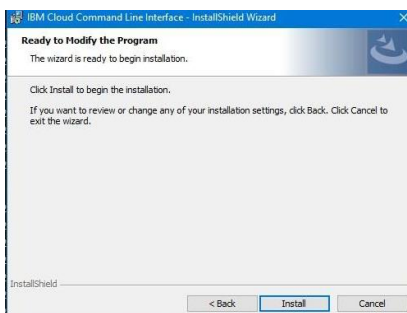
v) And then, Click on IBM Cloud CLI releases



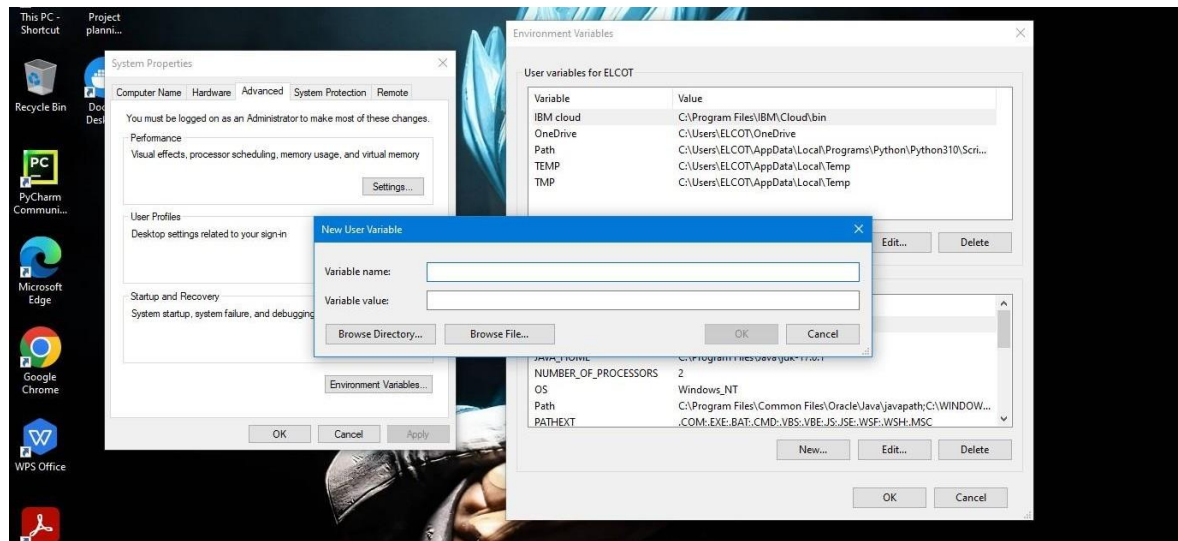
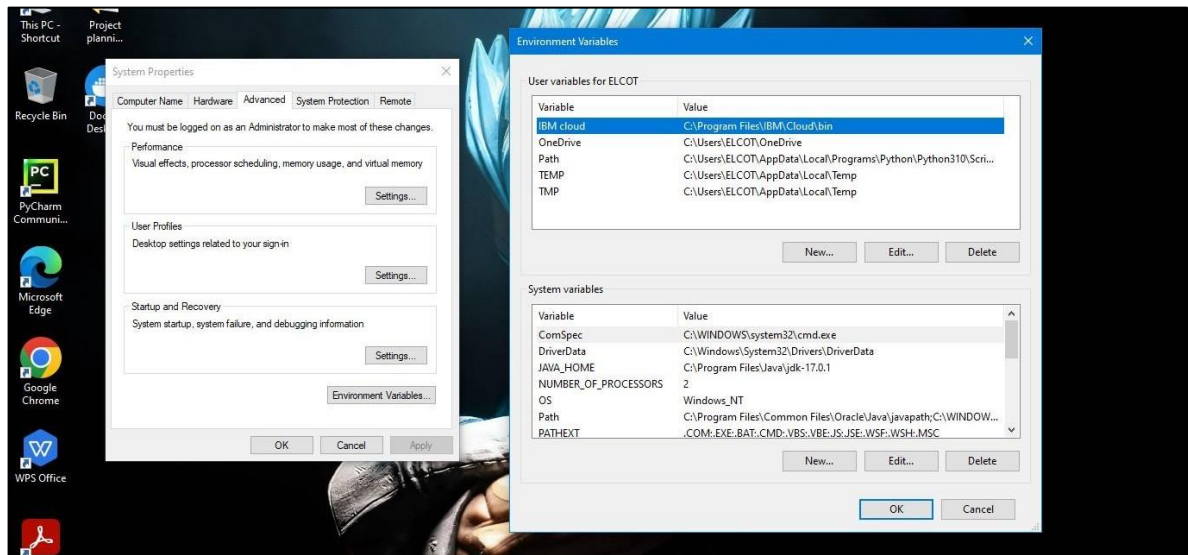
vi) After that, the GitHub page will open and download the IBM CLI installer by selecting as per your system required installer.



vii) After the download, Click the downloaded setup to run the installer



viii) After the installation set environment variable and then open CMD(Windows).Type this command to login in IBM cloud “ibmcloud login”



In the variable name, name it as “IBM Cloud” and in variable value the path location of the IBM.



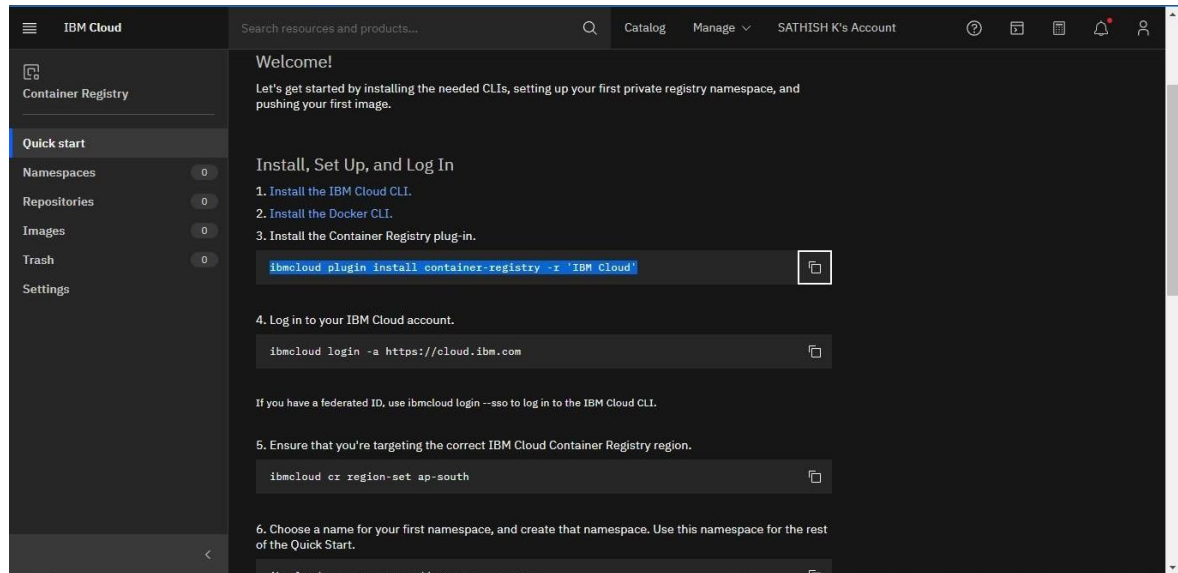
- ix) Enter your IBM cloud email id and password, then it will authenticate and signals “OK”. The number of regions will display, select one of them for your targeted account.



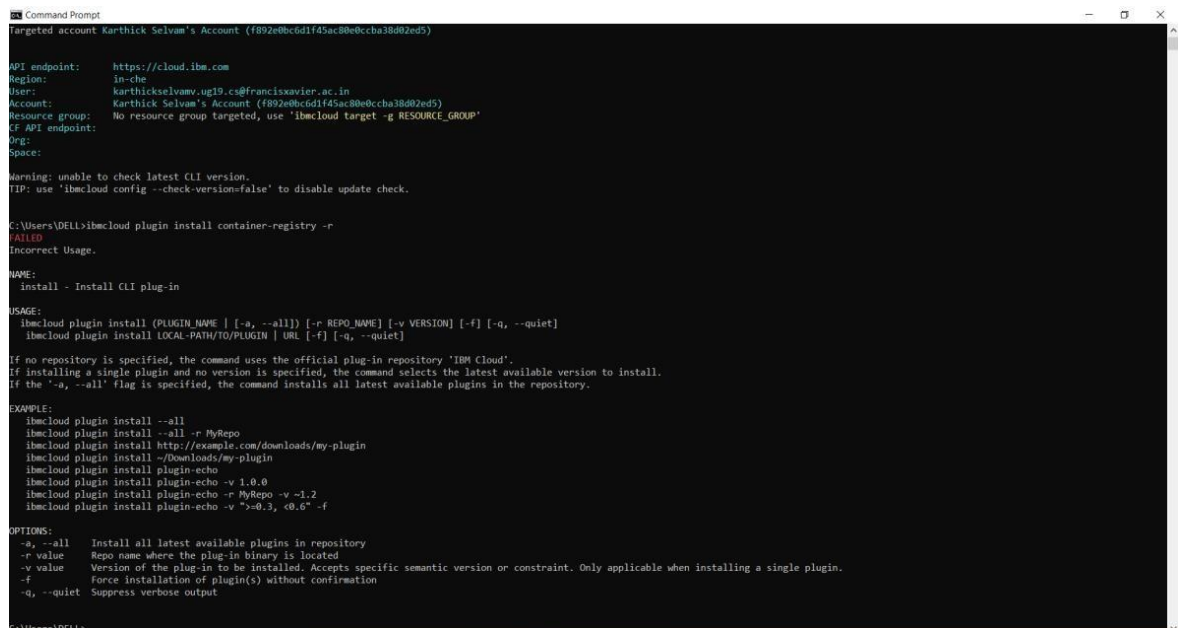


- x) Then copy the plugin command in your container registry (where the command displayed in your container registry which is opened on web browser) and paste and run it on cmd.

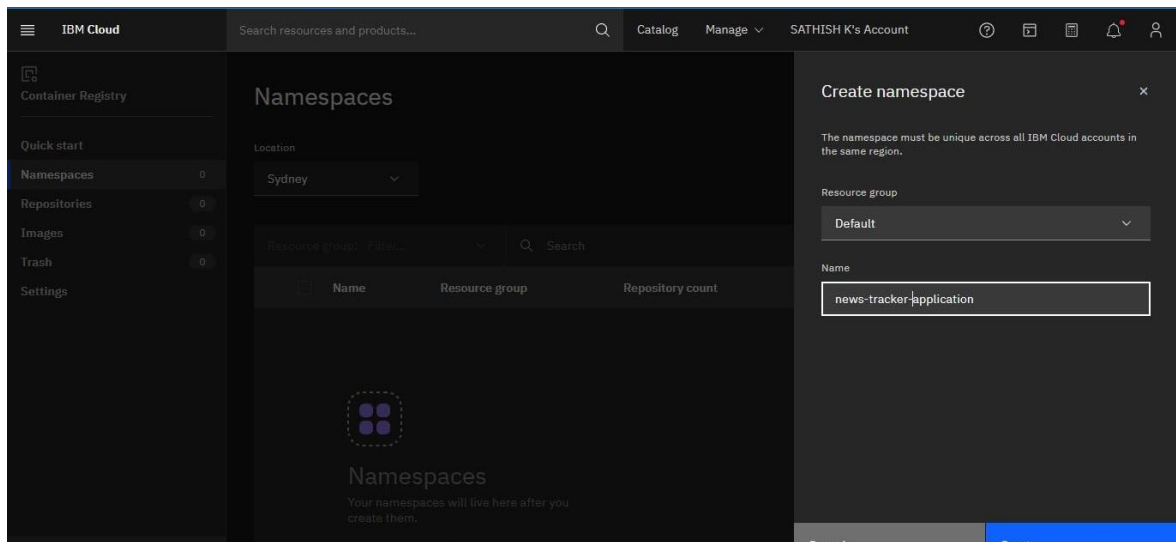
“ibmcloud plugin install container-registry -r”



- xi) Set your region to global . “ibmcloud cr egion-set global”

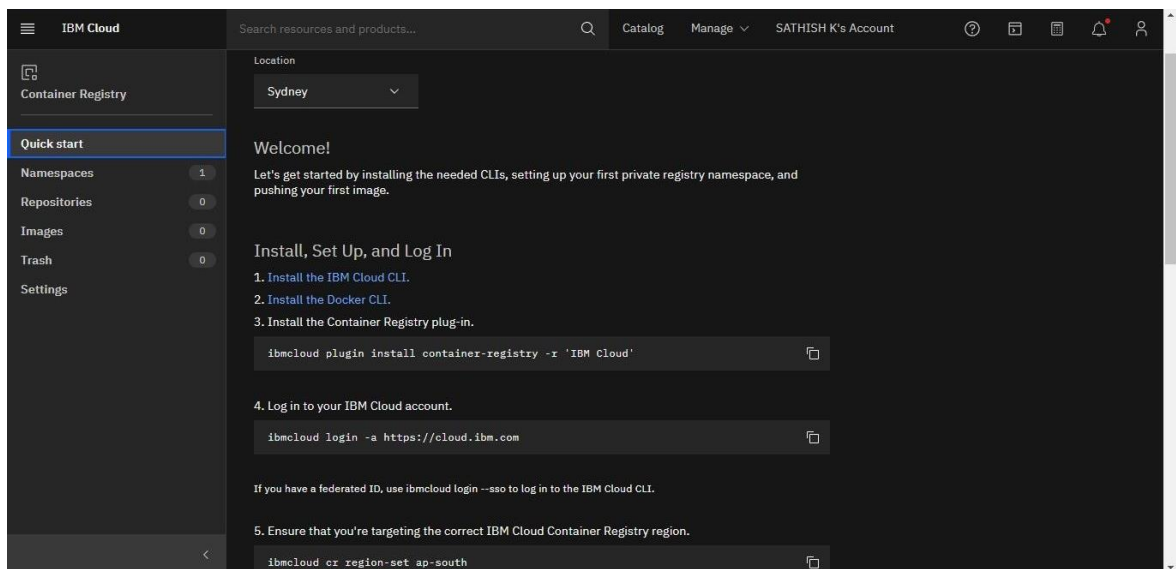


- xii) Create namespace in your container registry

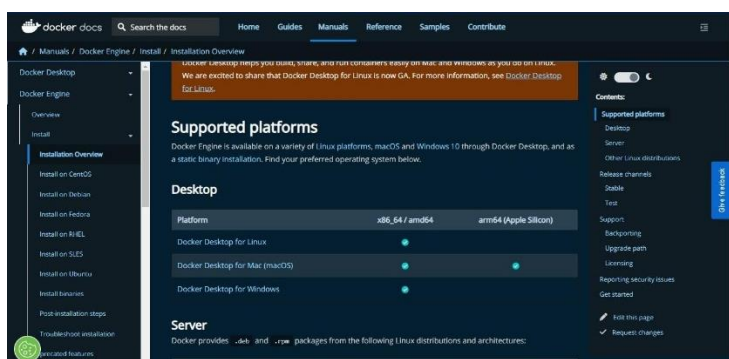


### 3. DOCKER CLI INSTALLATIONS

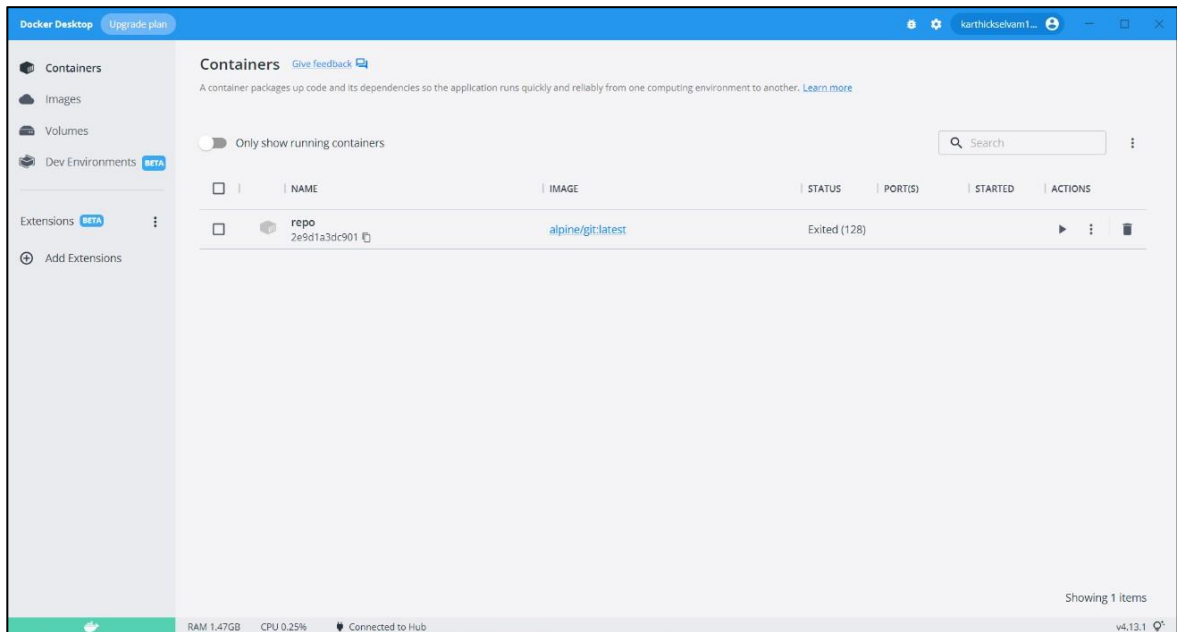
- i) Open container registry in IBM cloud and click on Install DockerCLI.



- ii) Then, click on required installer for your specified system and download it.

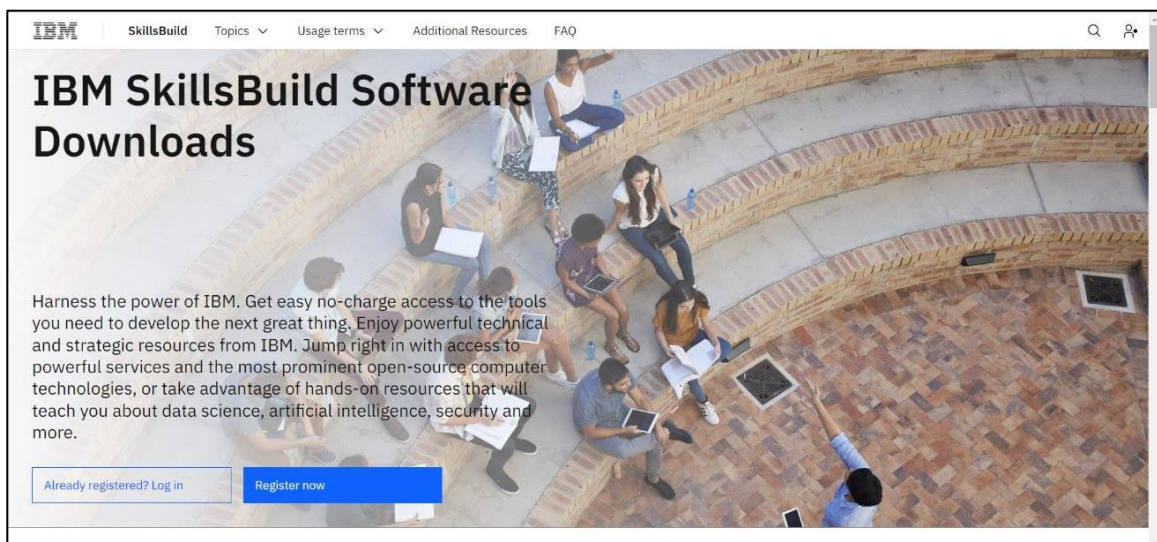


- iii) After the setup download, run the setup and then open it and push the images, create the repository, etc.



## 4. IBM CLOUD ACCOUNT CREATION

- i) Search for “ibm.com/academic” in the browser



- ii) Enter the mail issued by the academic institution and follow the procedure for entering the details which is provided as video link in your IBM profile.



## Enter your academic institution issued email to begin

Only the students and faculty of participating academic institutions are eligible to access this website. Please enter your academic institution issued email below to register.

Your academic institution issued email

Find answers in our frequently asked questions

Submit

- Profile
- Dashboard
- Projects
- Change Password
- Support
- Orientation Sessions
- Training Calendar
- Assignment & Quiz
- Ask Me Anything Sessions

Last Login : 2022-11-03 02:11:09

### KARTHICK SELVAM V

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DEGREE	: Bachelor of Engineering/Technology
BRANCH	: Computer Science Engineering
YEAR OF PASSING	: 2023
COLLEGE	: Francis Xavier Engineering College
ALTERNATE EMAIL	:
SI EMAIL	:
SI PASSWORD	:
WEBMAIL	: https://sg2plmcpn1496936.prod.sin2.secureserver.net:2096/
REFERENCE VIDEO	: <a href="https://vimeo.com/742609168/1824d26a5b">https://vimeo.com/742609168/1824d26a5b</a>

- iii) After following the procedure that is given in reference video,your IBM cloud account will create.

IBM Cloud

Search resources and products...

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Manage

Karthick Selvam's Acco...

Dashboard

Edit dashboard

Upgrade account

Create resource

For you

Select an option

Build

Monitor your resources

Get started with Containers & Kubernetes

Explore tutorials

Create an OpenShift cluster

Build a web app with Watson Speech to Text

News

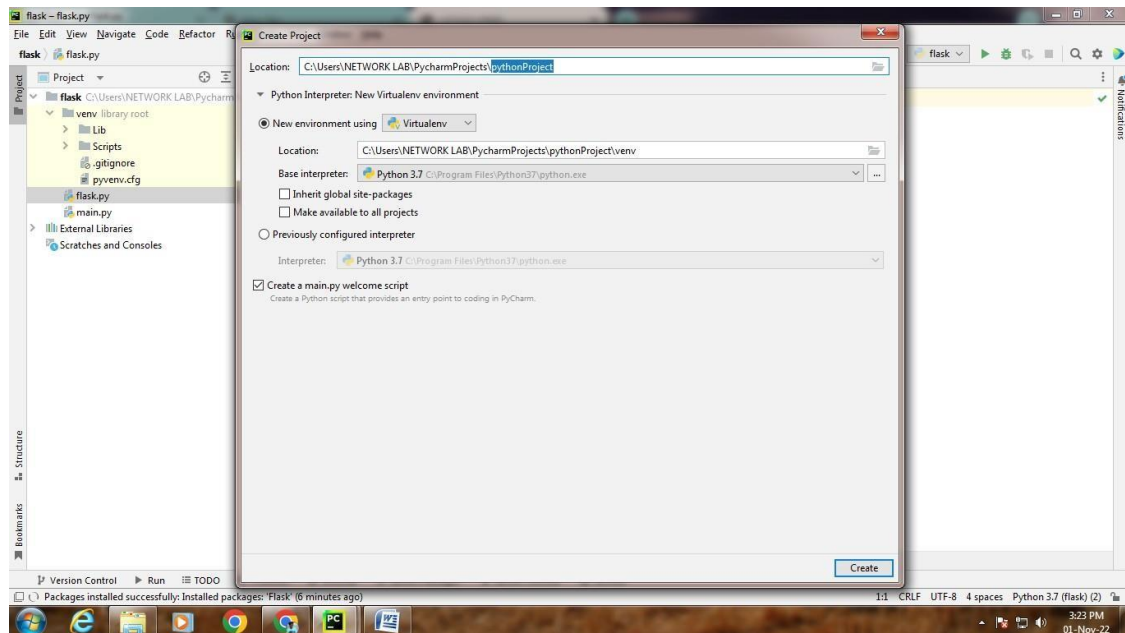
Recent support cases

Planned maintenance

IBM Cloud status

## 5. CREATING A FLASK PROJECT

- i) Open pycharm in your desktop and create new project folder



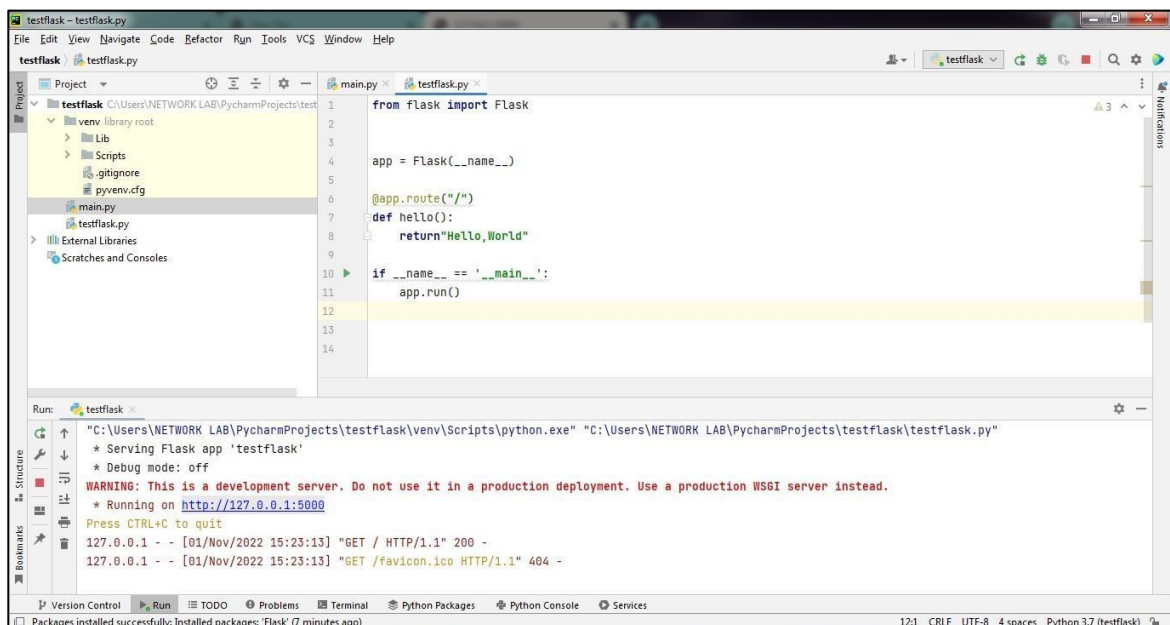
- ii) Enter the following code to create the flask project

```
from flask import Flask
```

```
app = Flask(__name__)  
@app.route("/")  
def hello():  
    return "Hello, World"
```

```
if __name__ == '__main__':  
    app.run()
```

- iii) Then run the code, it will show website link in terminal



iv) By clicking the link in terminal, it will show "Hello World" in the browser page

