Create web UI for Crop recommendation

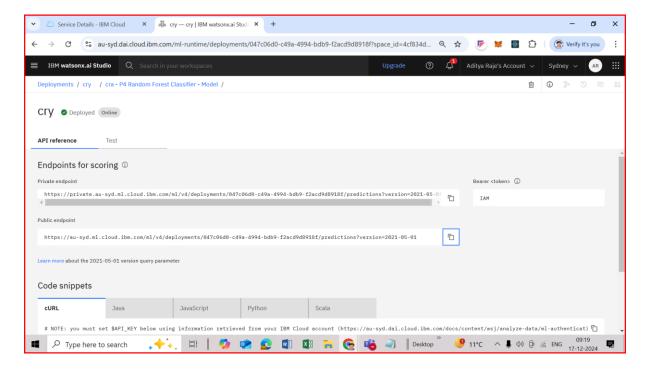
Step1- Develop, save and deploy machine learning model for crop recommendation using watsonx.ai studio as per the steps mention in PDF1

Step2- From cloud.ibm.com use the API key and model end point

Login – Manage – Access (IAM) – API Keys – Create – Name (croprecommendation) – Create – Copy/Download (Save this API key on notepad)

Step3 – From cloud.ibm.com copy **Public endpoint** of deployed model

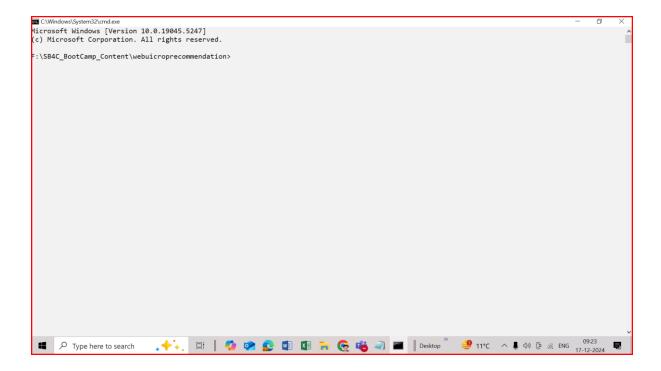
https://au-syd.ml.cloud.ibm.com/ml/v4/deployments/047c06d0-c49a-4994-bdb9-f2acd9d8918f/predictions?version=2021-05-01



Step- create folder webuicroprecommendation

F:\SB4C_BootCamp_Content\webuicroprecommendation

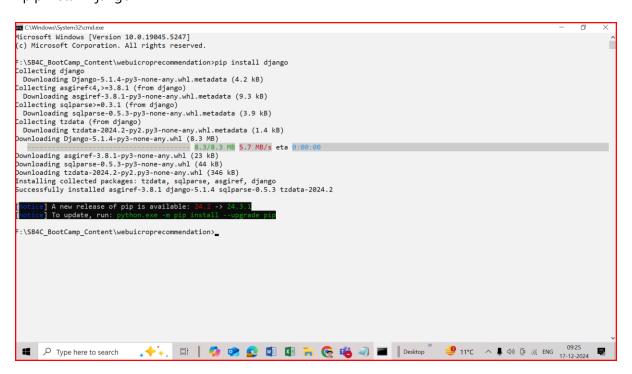
Step- Open command prompt and reach to folder location



Step- install python

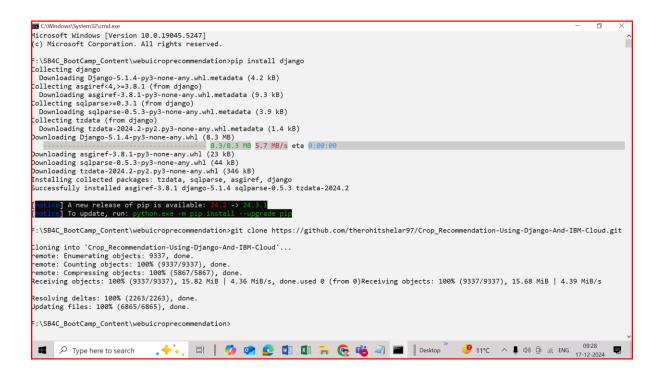
Step - install Django

pip install Django



Step- clone the project from github

git clone https://github.com/therohitshelar97/Crop_Recommendation-Using-Django-And-IBM-Cloud.git



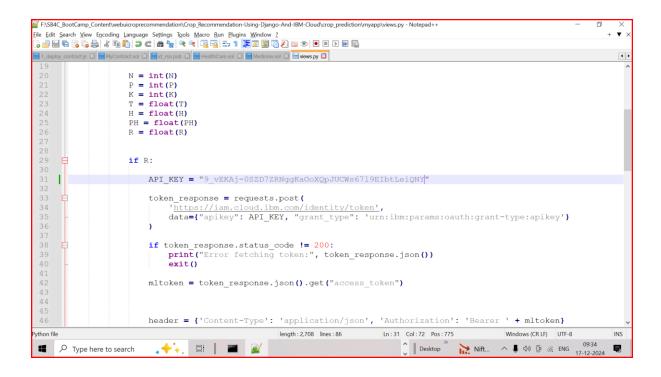
Step – reach to folder location \webuicroprecommendation\Crop_Recommendation-Using-Django-And-IBM-Cloud\crop_prediction

cd F:\SB4C_BootCamp_Content\webuicroprecommendation\Crop_Recommendation-Using-Django-And-IBM-Cloud\crop_prediction

step- open views.py in editor

webuicroprecommendation\Crop_Recommendation-Using-Django-And-IBM-Cloud\crop_prediction\myapp\views.py

Paste your API Key into variable API_KEY=" "



Step -Paste model Public endpoint in the views.py file

```
response_scoring = requests.post(
```

' https://au-syd.ml.cloud.ibm.com/ml/v4/deployments/047c06d0-c49a-4994-bdb9-f2acd9d8918f/predictions?version=2021-05-01',

json=payload_scoring,

headers=header,

)

Save file views.py

Return to cmd

Step -

pip install requests

```
C\Windows\System32cmdee

foduleNotFoundError: No module named 'requests'

*\S84C_BootCamp_Content\webuicroprecommendation\Crop_Recommendation-Using-Django-And-IBM-Cloud\crop_prediction>pip install requests

collecting requests

Downloading requests-2.32.3-py3-none-any.whl.metadata (4.6 kB)

collecting install.

collecting install.

Downloading charset_normalizer-3.4.8-cp313-cp313-win_amd64.whl.metadata (34 kB)

collecting install.

collecting install.

Downloading install.

Downloading requests.

Downloading requests.

Downloading certifi-2021.4.1.14-py3-none-any.whl.metadata (2.5 kB)

concloading requests.2.32.3-py3-none-any.whl.metadata (2.3 kB)

Downloading certifi-2021.4.1.14-py3-none-any.whl (64 kB)

Downloading certifi-2021.4.1.14-py3-none-any.whl (164 kB)

Downloading certifi-2021.4.1.14-py3-none-any.whl (164 kB)

Downloading clami-3.18-py3-none-any.whl (126 kB)

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Downloading unlib3.2.2.3-py3-none-any.whl (26 kB)

Downloading unlib3.2.2.3-py3-none-any.whl (26 kB)

Downloading collected packages: unlib3.3.idna, charset-normalizer, certifi, requests

Successfully installed certifi-2024.12.14 charset-normalizer-3.4.0 idna-3.10 requests-2.32.3 unlib3-2.2.3

[police] A new release of pip is available: 2022-2.2.4.3

[police] A new release of pip is available: 2022-2.2.4.3

[police] To update, run: pythonoxes a pip install rupseds pil

police Townloading the research and the rupsed pil

police Townloading the release of pip is available: 2022-2.2.4.3

[police Townloading the release of pip is available: 2022-2.2.4.3

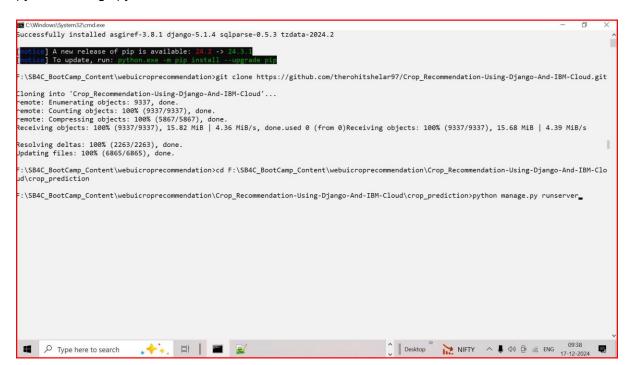
[police Townloading the release of pip is available: 2022-2.2.4.3

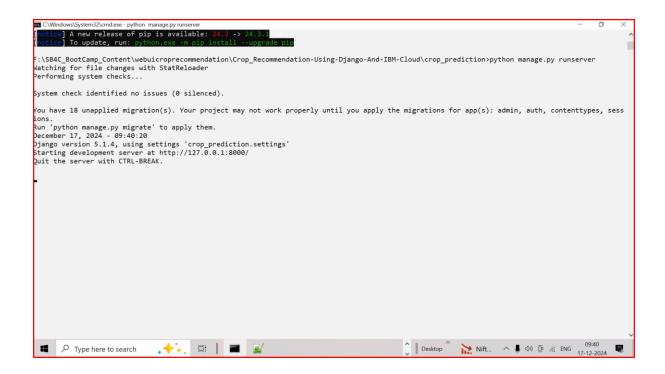
[police Townloading the release of pip is available: 2022-2.4.3

[police Townloa
```

Step-run project

python manage.py runserver

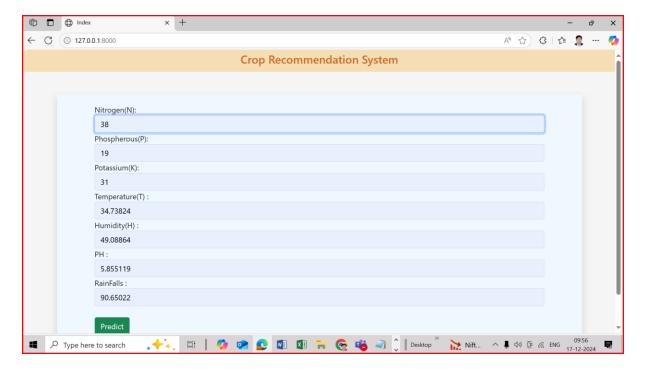




Open browser http://127.0.0.1:8000

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	Enter Rainfalls value							
	Predict							
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Give value



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