

Prerequisites

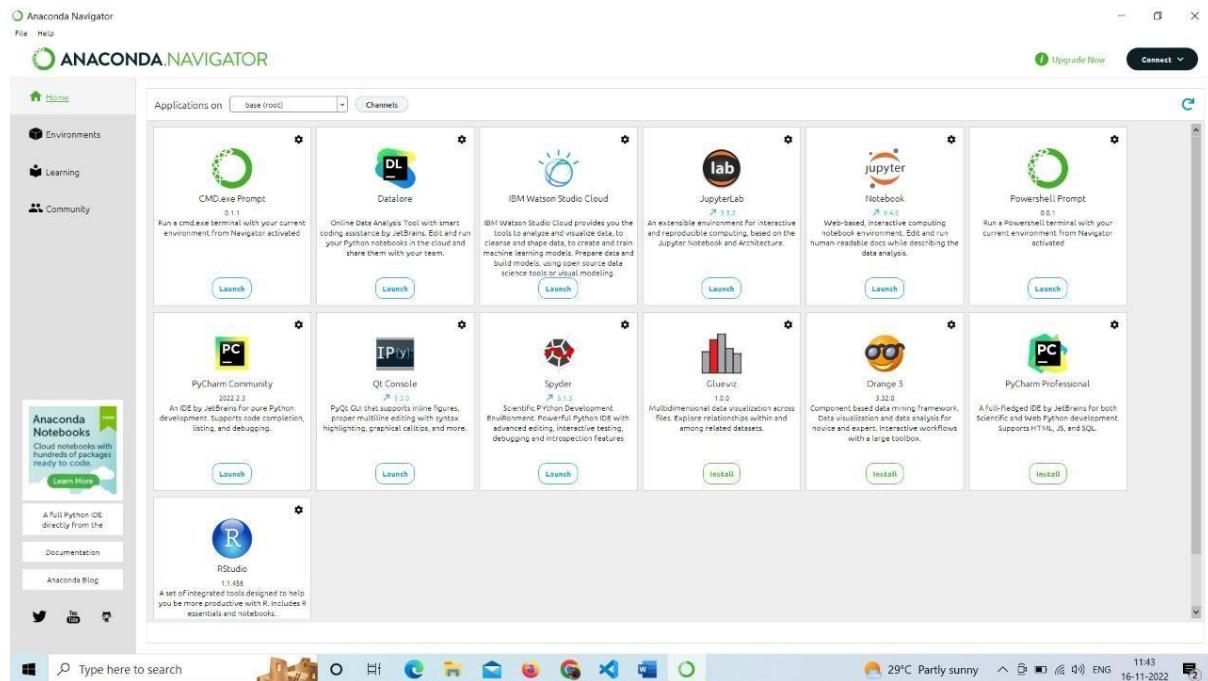
Team Id: PNT2022TMID32299

Project Name: Fertilizers Recommendation System For Disease Prediction

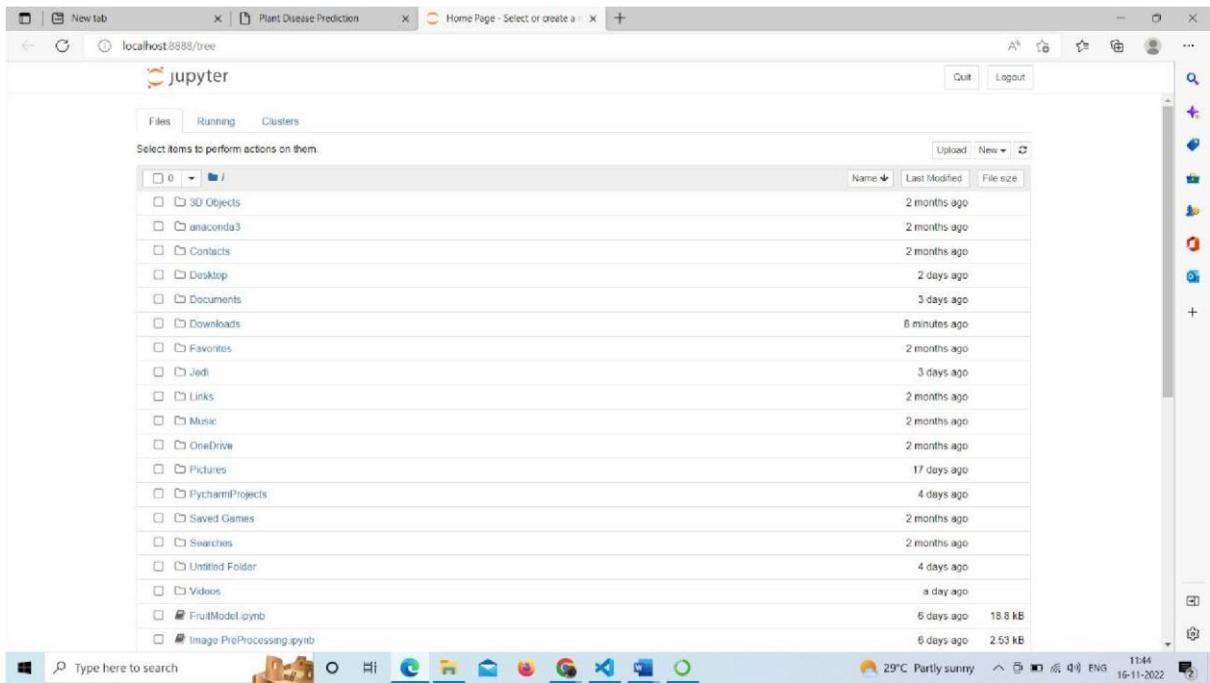
Hardware Specifications:

- Windows (minimum 10), Mac & Linux
- Ram - 4GB (minimum)
- Hard Disk - 100GB (minimum)
- Processor - Intel i3 (minimum), Mac M1

Software Specifications:



- Anaconda Navigator - <https://www.anaconda.com/products/distribution>
- Jupyter notebook.



● Google Colab - <https://colab.research.google.com/>

Assignment3.ipynb

```
[ ] cd /content/drive/MyDrive
[ ] !unzip Flowers-Dataset.zip
[ ] !pwd
[ ] 2. Image Augmentation
[ ] from tensorflow.keras.preprocessing.image import ImageDataGenerator
[ ] train_datagen=ImageDataGenerator(rescale=1./255,zoom_range=0.2,horizontal_flip=True,vertical_flip=False)
[ ] test_datagen=ImageDataGenerator(rescale=1./255)
[ ] !pwd
```

The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer:** Shows the project structure with files like `app.py`, `fruit.h5`, `IBM-fruit.h5`, `IBM-vegetable.h5`, `ibmapp.py`, `precautions - fruits.xlsx`, `precautions - veg.xlsx`, and `vegetable.h5`.
- Code Editor:** The `app.py` file is open, containing code for a Flask application that loads two machine learning models (vegetable and fruit) and serves static files.
- Terminal:** Shows logs from a local server, indicating successful file access and a POST request to the prediction endpoint.
- Status Bar:** Displays the current file as `app.py`, the Python version as 3.10.8 64-bit (microsoft store), and the date/time as 16-Nov-2022 11:39:46.

- Spyder / VS Code / Pycharm

IBM:

- IBM Account Creation - <https://vimeo.com/742609168/1824d26a5b>
 - IBM Skill Build - <https://www.ibm.com/academic/home>
 - Webmail - <https://sg2plmcpn1492529.prod.sin2.secureserver.net:2096/>
 - IBM Cloud - <https://cloud.ibm.com/login>

Screenshot of the IBM Cloud Resource list interface.

The top navigation bar shows tabs for "IBM-EPL/IBM-Project-26043-1", "IBM", "Resource list - IBM Cloud", and a "Paused" status indicator. Below the tabs is a toolbar with links to Prime Video, Netflix, Watch MasterChef..., Online Python Com..., RMK ENGINEERING..., IN-ACE Track-R.M.K..., SkillRack, Soap2day | Watch..., Home | Infosys Spri..., RMIK Online Exam, and Online C Compiler.

The main header includes "IBM Cloud", a search bar, and account information for "Abimanya U B's Account".

The left sidebar displays a tree view of resources categorized by type:

- Compute (0)
- Containers (0)
- Networking (0)
- Storage (0)
- AI / Machine Learning (0)
- Analytics (0)
- Blockchain (0)
- Databases (0)
- Developer tools (0+)
- Logging and monitoring (0)
- Migration (0+)

The right sidebar shows user profile options: Profile, Log in to CLI and API, Privacy, Change theme, and Log out.

The bottom of the screen shows system status: "Waiting for do...", weather (27°C, Cloudy), a taskbar with various icons (Search, File Explorer, Microsoft Edge, Google Chrome, File Manager, Task View, etc.), and system notifications: ENG IN, 12:01, 16-11-2022.