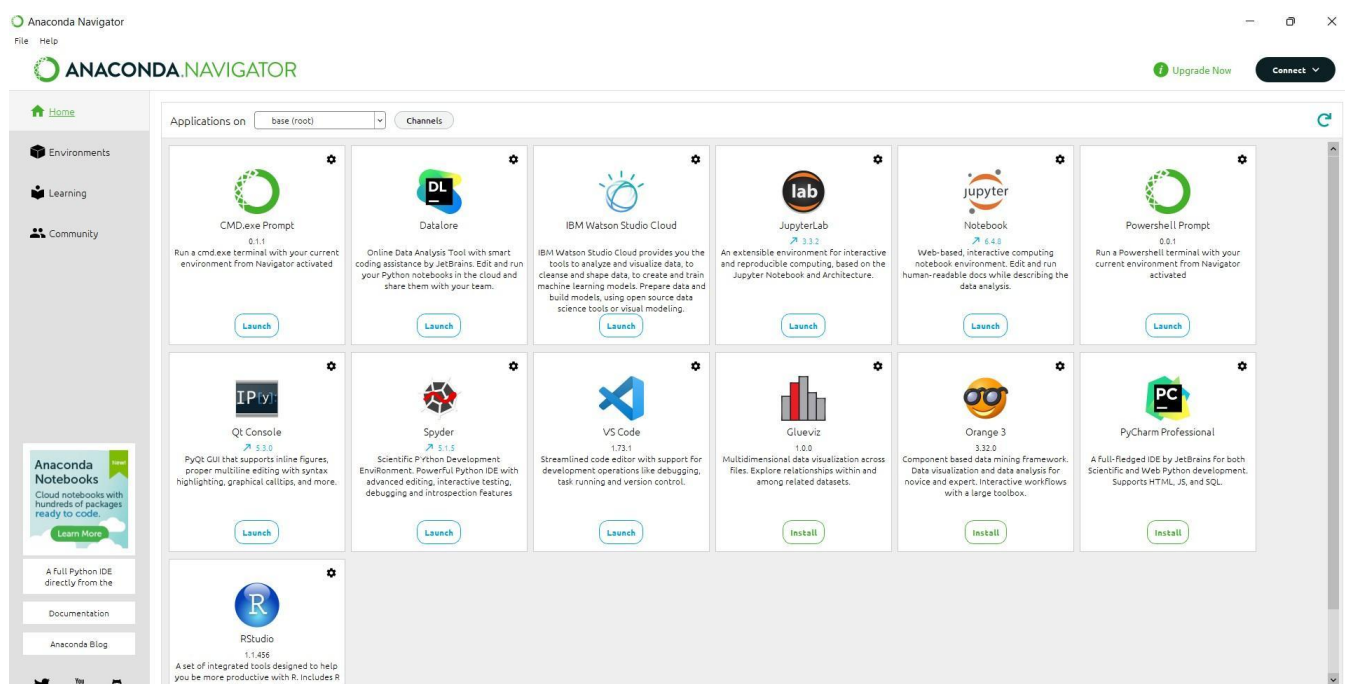
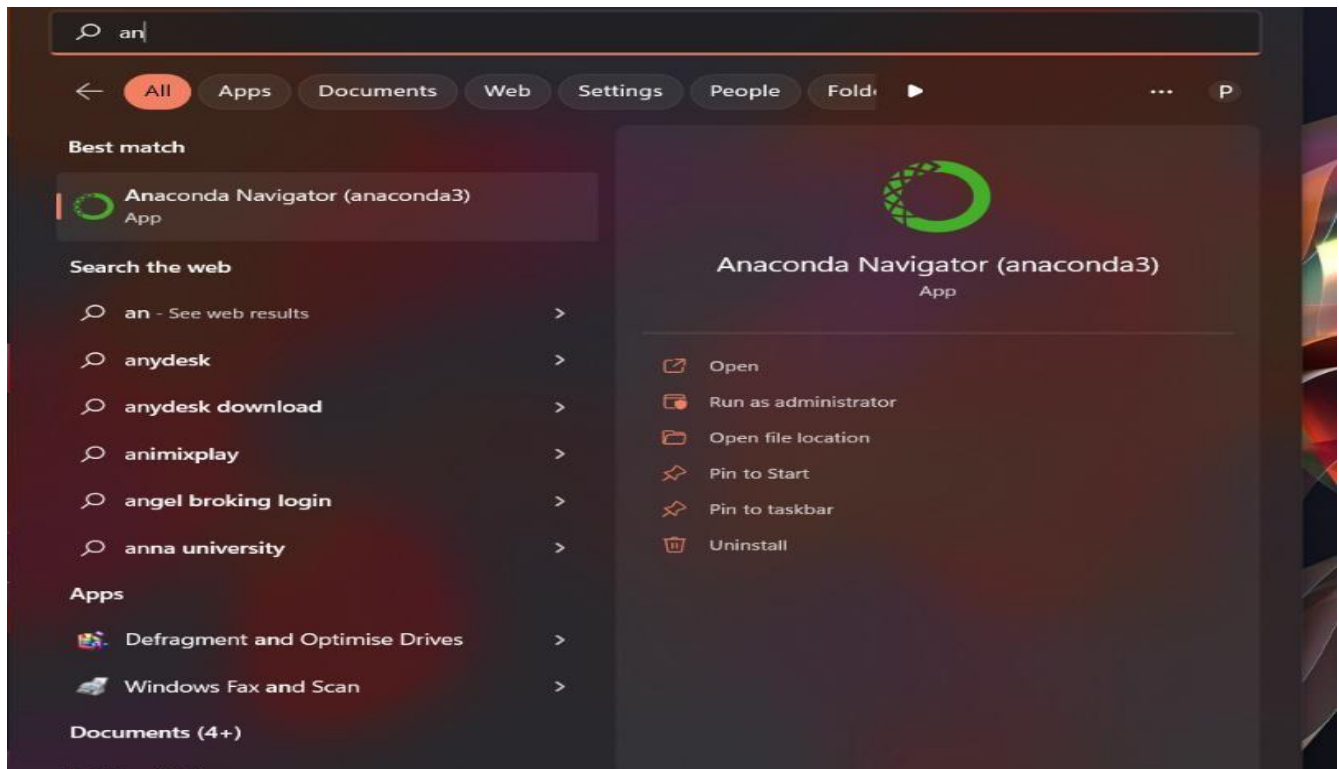


PRE-REQUISITES

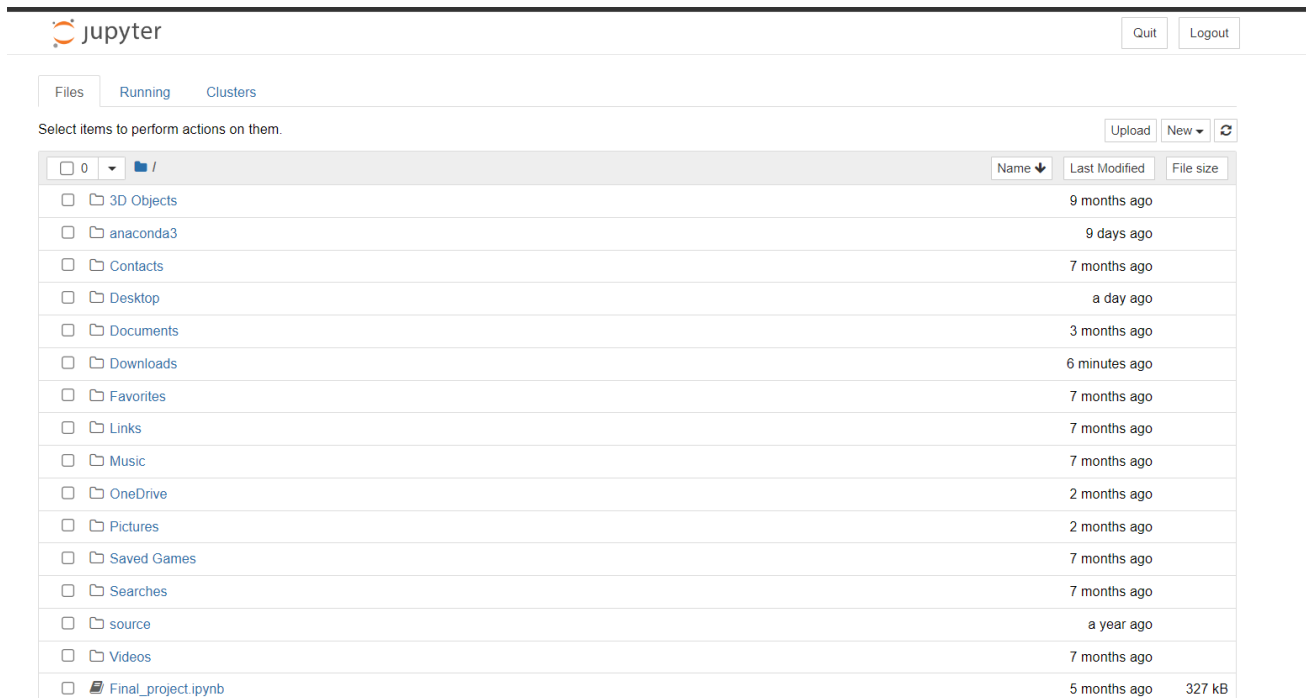
Smart Lender - Applicant Credibility Prediction for Loan Approval

Team ID: PNT2022TMID19191

1. Anaconda navigator:



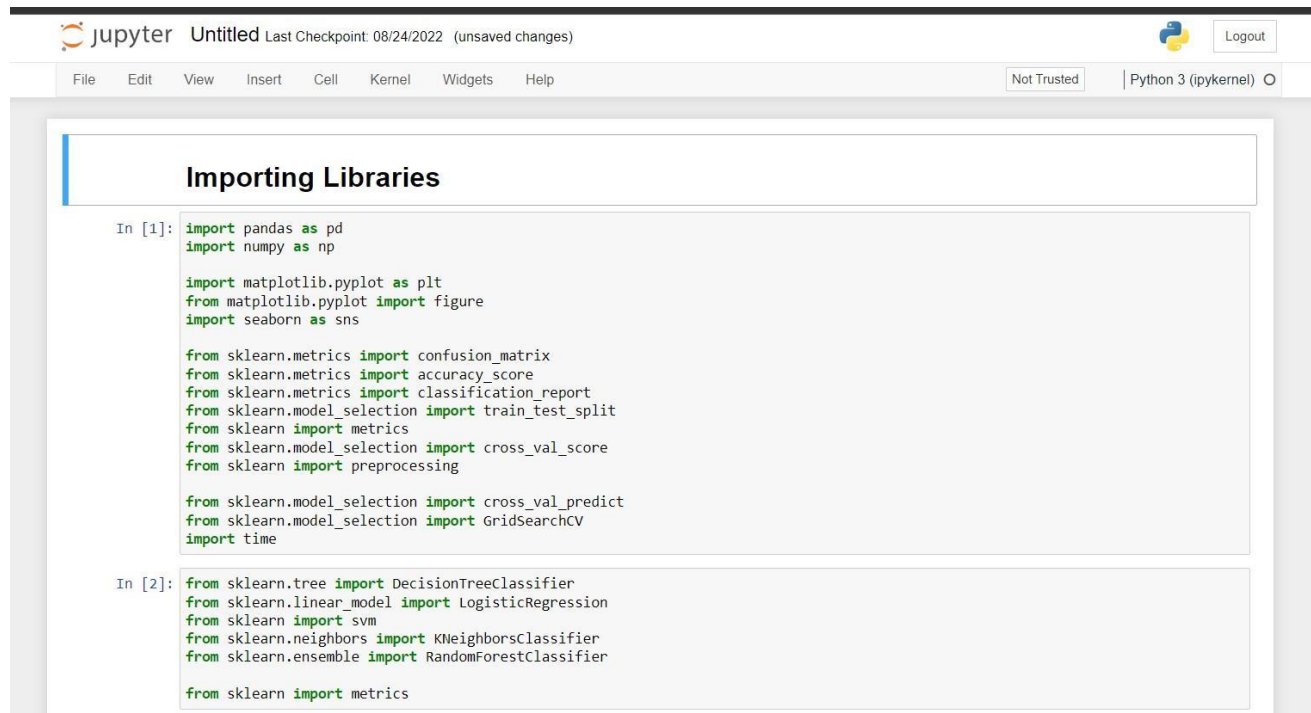
2.Jupyter :



The screenshot shows the JupyterLab file browser interface. At the top, there's a 'jupyter' logo and 'Quit' and 'Logout' buttons. Below that, there are tabs for 'Files', 'Running', and 'Clusters'. A message says 'Select items to perform actions on them.' with 'Upload', 'New', and a refresh icon. The main area is a file list with columns for 'Name', 'Last Modified', and 'File size'. The list includes various system folders like '3D Objects', 'anaconda3', 'Contacts', 'Desktop', 'Documents', 'Downloads', 'Favorites', 'Links', 'Music', 'OneDrive', 'Pictures', 'Saved Games', 'Searches', 'source', and 'Videos'. At the bottom, there's a file named 'Final_project.ipynb' with a size of 327 kB.

	Name	Last Modified	File size
<input type="checkbox"/>	0		
<input type="checkbox"/>	/		
<input type="checkbox"/>	3D Objects	9 months ago	
<input type="checkbox"/>	anaconda3	9 days ago	
<input type="checkbox"/>	Contacts	7 months ago	
<input type="checkbox"/>	Desktop	a day ago	
<input type="checkbox"/>	Documents	3 months ago	
<input type="checkbox"/>	Downloads	6 minutes ago	
<input type="checkbox"/>	Favorites	7 months ago	
<input type="checkbox"/>	Links	7 months ago	
<input type="checkbox"/>	Music	7 months ago	
<input type="checkbox"/>	OneDrive	2 months ago	
<input type="checkbox"/>	Pictures	2 months ago	
<input type="checkbox"/>	Saved Games	7 months ago	
<input type="checkbox"/>	Searches	7 months ago	
<input type="checkbox"/>	source	a year ago	
<input type="checkbox"/>	Videos	7 months ago	
<input type="checkbox"/>	Final_project.ipynb	5 months ago	327 kB

3. Python packages:



The screenshot shows a Jupyter Notebook interface. The top bar includes the 'jupyter' logo, 'Untitled' title, 'Last Checkpoint: 08/24/2022 (unsaved changes)', and a 'Logout' button. Below the top bar is a menu bar with 'File', 'Edit', 'View', 'Insert', 'Cell', 'Kernel', 'Widgets', and 'Help'. A 'Not Trusted' warning and 'Python 3 (ipykernel)' are also visible. The notebook content is titled 'Importing Libraries' and contains two code cells. The first cell (In [1]) imports pandas, numpy, matplotlib.pyplot, seaborn, and various sklearn metrics and model selection functions. The second cell (In [2]) imports sklearn tree, linear model, svm, neighbors, ensemble, and metrics modules.

```
In [1]: import pandas as pd
import numpy as np

import matplotlib.pyplot as plt
from matplotlib.pyplot import figure
import seaborn as sns

from sklearn.metrics import confusion_matrix
from sklearn.metrics import accuracy_score
from sklearn.metrics import classification_report
from sklearn.model_selection import train_test_split
from sklearn import metrics
from sklearn.model_selection import cross_val_score
from sklearn import preprocessing

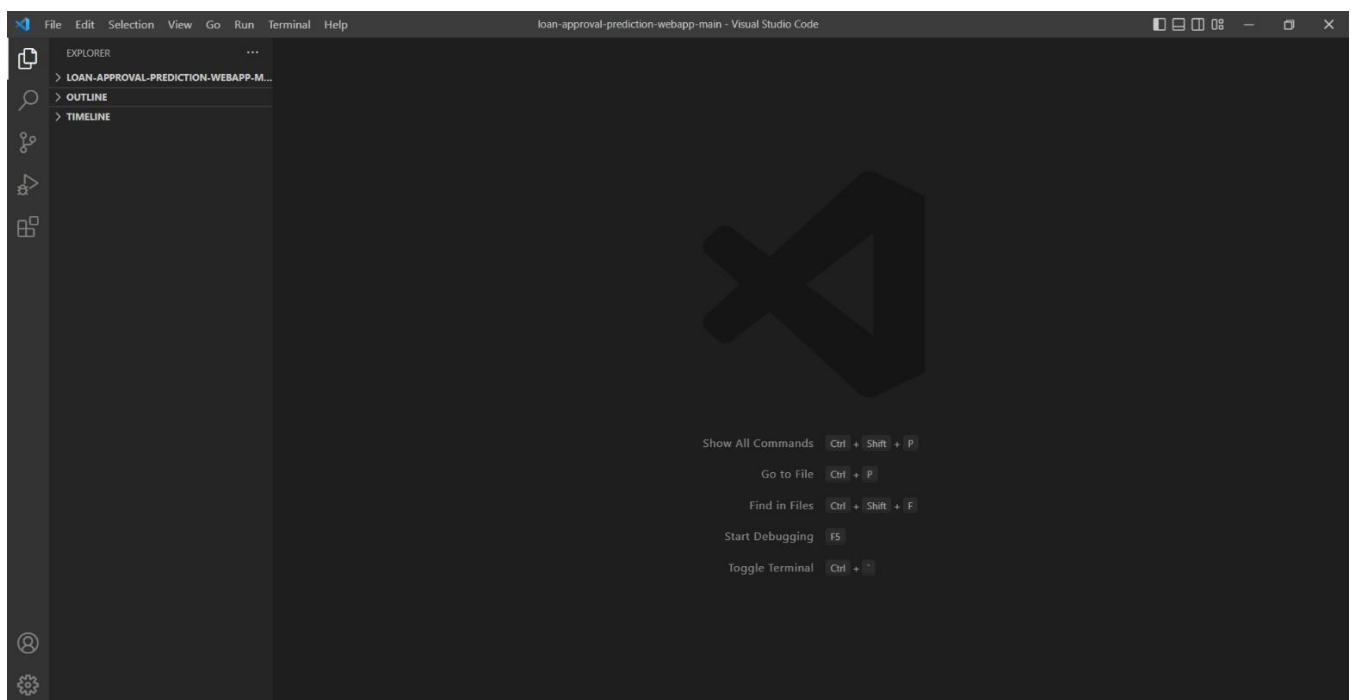
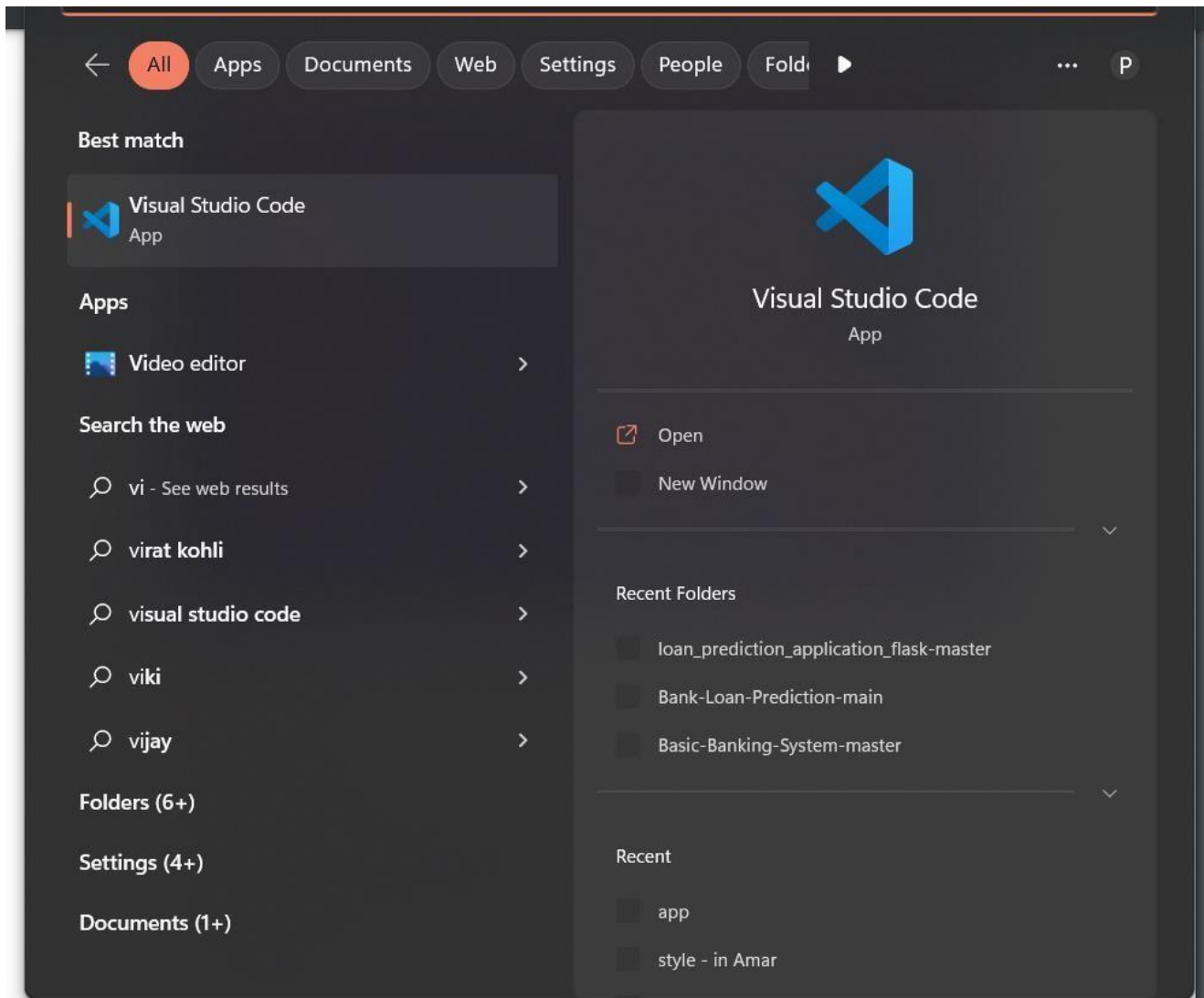
from sklearn.model_selection import cross_val_predict
from sklearn.model_selection import GridSearchCV
import time

In [2]: from sklearn.tree import DecisionTreeClassifier
from sklearn.linear_model import LogisticRegression
from sklearn import svm
from sklearn.neighbors import KNeighborsClassifier
from sklearn.ensemble import RandomForestClassifier

from sklearn import metrics
```

- NumPy
- Pandas
- Matplotlib
- Pickle
- Scikit-learn
- Seaborn

4.IDE(VS code):



5.Dataset

6.Flask

7.Bootstrap

8.Virtual Environment

9.MY SQL