

# Project Structure

Date	16 November 2022
Team id	PNT2022TMID4763 5
Project name	Fertilizer recommendation system for disease prediction
Maximum marks	4 marks

The screenshot displays the Visual Studio Code interface for a project named 'Harvestify-master'. The Explorer panel on the left shows the project structure, including folders like 'Data', 'models', 'static', 'templates', 'utils', and files like 'app.py', 'config.py', 'model.py', 'fertilizer.py', 'disease.py', 'RandomForest.pkl', 'requirements.txt', 'Runtime.txt', 'Data-processed', 'Data-raw', 'notebooks', '.gitignore', 'CONTRIBUTING.md', 'LICENSE', 'OUTLINE', and 'TIMELINE'. The main editor window shows the code for 'app.py', which includes imports for Flask, numpy, pandas, requests, config, pickle, io, torch, torchvision, PIL, and ResNet9. The code also includes comments for loading the trained models and the plant disease classification model. The Output panel at the bottom shows the message 'Loading configuration... Done loading configuration'. The status bar at the bottom indicates the file is at Line 1, Column 1, with 4 spaces, UTF-8 encoding, LF line endings, Python interpreter, and Win32 architecture. The system tray at the bottom shows the date and time as 11:28 PM on 11/16/2022.

```
app.py
1 # Importing essential libraries and modules
2
3 from flask import Flask, render_template, request, Markup
4 import numpy as np
5 import pandas as pd
6 from utils.disease import disease_dic
7 from utils.fertilizer import fertilizer_dic
8 import requests
9 import config
10 import pickle
11 import io
12 import torch
13 from torchvision import transforms
14 from PIL import Image
15 from utils.model import ResNet9
16 # =====
17
18 # -----LOADING THE TRAINED MODELS -----
19
20 # Loading plant disease classification model
21
```

Output: Loading configuration... Done loading configuration