

## APPLICATION BUILDING

**PROJECT TITLE:** AI-powered Nutrition Analyzer for Fitness Enthusiasts

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### BUILD PYTHON CODE:

#### Import libraries

```
from flask import Flask,render_template,request
# Flask-It is our framework which we are going to use to run/serve our application.
#request-for accessing file which was uploaded by the user on our application.
import os
import numpy as np #used for numerical analysis
from tensorflow.keras.models import load_model#to load our trained model
from tensorflow.keras.preprocessing import image
import requests
```

```
C:\Users\sujatha.k>pip install flask
Defaulting to user installation because normal site-packages is not writeable
Requirement already satisfied: flask in c:\users\sujatha.k\appdata\roaming\pyt
```

```
C:\Users\sujatha.k>pip install tensorflow
Defaulting to user installation because normal site-packages is not writeable
Requirement already satisfied: tensorflow in c:\users\sujatha.k\appdata\roaming
```

```
C:\Users\sujatha.k>pip install numpy
Defaulting to user installation because normal site-packages is not writeable
Requirement already satisfied: numpy in c:\users\sujatha.k\appdata\roaming\python\python39\site-packages (1.23.4)
WARNING: You are using pip version 21.2.3; however, version 22.3.1 is available.
You should consider upgrading via the 'C:\Program Files\Python39\python.exe -m pip install --upgrade pip' command.
```