Project Design Phase II

FUNCTIONAL REQUIREMENTS

Anaconda Navigator

Anaconda Navigator is a free and open-source distribution of the Python and R programming languages for data science and machine learning-related applications. It can be installed on Windows, Linux, and macOS. Conda is an open-source, cross-platform, package management system. Anaconda comes with great tools like JupyterLab, Jupyter Notebook, QtConsole, Spyder, Glueviz, Orange, Rstudio, and Visual Studio Code.

For this project, we will be using **Jupyter notebook and Spyder**

To install the Anaconda navigator and to know how to use Jupyter Notebook & Spyder using Anaconda watch the video

To build Machine learning models you must require the following packages

Sklearn

Scikit-learn is a library in Python that provides many unsupervised and supervised learning algorithms.

NumPy

NumPy is a Python package that stands for 'Numerical Python'. It is the core library for scientific computing, which contains a powerful n-dimensional array object

Pandas

Pandas is a fast, powerful, flexible, and easy-to-use open-source data analysis and manipulation tool, built on top of the Python programming language.

Matplotlib

It provides an object-oriented API for embedding plots into applications using general-purpose GUI toolkits

Flask

Web framework used for building Web applications.

1. Open anaconda prompt.
2. Type “pip install numpy” and click enter.
3. Type “pip install pandas” and click enter.
4. Type “pip install matplotlib” and click enter.
5. Type “pip install scikit-learn” and click enter.
6. Type “pip install Flask” and click enter.