**Project Execution process**

**✅ Project Environment Setup Instructions**

To set up the environment for this project, follow the steps below:

**1. Install Visual Studio Code**

Download and install **VS Code** from the official website:  
👉 <https://code.visualstudio.com/>

**2. Install Python 3.11.4**

Download Python 3.11.4 from the official Python website:  
👉 <https://www.python.org/downloads/release/python-3114/>

✅ Make sure to **check "Add Python to PATH"** during installation.

Verify installation by running the following command in the terminal:

bash

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python --version

**3. Open VS Code and Install Python Extension**

* Launch **VS Code**.
* Go to **Extensions** (Ctrl + Shift + X), and install the **Python extension by Microsoft**.

**4. Set Python Interpreter in VS Code**

* Press Ctrl+Shift+P, search for Python: Select Interpreter, and choose Python 3.11.4.

**5. Install Required Python Modules**

Open the terminal in VS Code (Ctrl + ~) and run the following commands:

bash

pip install numpy==1.25.2

pip install pandas==2.0.0

pip install matplotlib==3.7.2

pip install seaborn==0.12.2

pip install scikit-learn==1.2.2

pip install flask==2.3.3

pip install streamlit

pip install tensorflow==2.15.0

pip install PyPDF2==2.12.1

pip install streamlit==1.30.0

Each package will be installed with the specified version to ensure compatibility.

After completion of the installation of the packages.open the folder of the project and click to open app.py file And open the terminal after enter the command **streamlit run app.py.**