A WEB APP TO COMPARE MACHINE LEARNING MODELS

Pre-Requisites

Node.js: This is a JavaScript runtime environment that is required to run the server-side code for the application. You can download and install Node.js from the official website ([https://nodejs.org/en/](https://nodejs.org/en/" \t "_blank" \o "https://nodejs.org/en/)).

To run the project the system must have Node and npm installed locally.

To install NPM

run command "**npm install download"**

Express.js: This is a Node.js framework that is used to build the backend API for your application. You can install Express.js using the Node.js package manager (npm) by running the following command:

**npm install express**

React: This is a JavaScript library for building user interfaces. You can install React by running the following command:

**npm install react**

**Python**

Make sure that you have Python installed on your computer. You can check if Python is already installed by running the following command in a terminal or command prompt:

**python –version**

If Python is not installed, you can download and install it from the official website ([https://www.python.org/](https://www.python.org/" \t "_blank" \o "https://www.python.org/)).

Install the Streamlit library using pip, the Python package manager, by running the following command: pip install streamlit

Install the following libraries using python package manager

**pip install torch**

**pip install pandas**

**pip install numpy**

**pip install matplotlib**

**pip install plotly**

Note: If you are using Anaconda, you can install these libraries using **conda** instead of **pip**. For example, you can run **conda install streamlit** to install **streamlit** using Anaconda.

**Process:**

1) Run command "node -v" to check whether node has been installed properly.

2) Open command prompt on windows and navigate to the source folder from the terminal and find the server folder.

now run command -- "npm install" to install all the dependencies required.

Note: The System must be connected to internet to install dependencies.

3) After the dependencies are installed successfully, from the terminal navigate to server folder from terminal and

run command -- "node app.js" which will start the local server on port 8080.

4) Navigate to the client folder and repeat step 2 i.e., now run command -- "npm install" to install all the dependencies required.

run command -- "npm start" which will start the local server on port 3000.

5) Navigate to the python folder and run the python file by using the command

**streamlit run app.py --server.enableCORS=False**

5) Go to the desired browser and type "localhost:3000" in the address bar of the browser.

6) The user will now be able to use the application.