

## ☐ Yoga Pose Recognition AI Setup Tutorial

### 1. Clone the Repository:

- Open your command line interface.
- Use the following command to clone the repository:

**git clone https://github.com/AbstractSahil/Yoga-.git**

This will download all the necessary files and folders from the GitHub repository to your local machine.

### 2. Downgrade Node.js Server:

- To ensure compatibility with mediapipe, you need to downgrade your Node.js server to version 16.04.
- You can do this using a version manager like **nvm** (Node Version Manager). Execute the following command:

**nvm use 16**

This command switches your Node.js version to 16.04.

### 3. Setting Up Front-End:

- Navigate to the **front-end** directory within the cloned repository.
- Run the following commands one by one in your command line:
  - **npm init**: This initializes a new npm package.
  - **npm install create-react-app**: Installs the create-react-app package, which is a toolchain for React applications.
  - **npm install react-scripts**: Installs react-scripts, which is necessary for building and running React applications.
  - **npm run build**: This command compiles and builds the React application.

### 4. Starting the Server:

- After the build process is complete, navigate to the **build** directory within the front-end directory.
- Run the following command:

**npm start**

This command starts the server.

### 5. Accessing the Application:

- Once the server is running, open your web browser.
- Type the following URL into the address bar:

**http://localhost:3000**

This will take you to the locally hosted web application.

**6. Initiating Yoga Pose Recognition:**

- On the web application interface, you'll see various yoga poses listed.
- Choose a yoga pose of your choice and click the "Start" button.
- The application will prompt you to grant permission to access your camera. Allow the permission.

**7. Recognizing Yoga Poses:**

- After granting permission, the application will initialize the camera.
- Wait for a moment until the system is ready to recognize your yoga pose.
- Once ready, the system will start recognizing your yoga pose based on the camera feed.