Environment set up

Install the following library

React native

```
npx expo install expo-camera

npx expo install expo-media-library

npx expo install react-native-screens react-native-safe-area-context

npx expo install react-native-gesture-handler
```

Node js

```
npm install express multer
```

Python (I am using 3.12.7 but 3.10 + should be ok?)

```
pip install torch torchvision torchaudio opencv-python numpy Pillow
```

To test the Identification

Get ur assigned IPv4 address ,change in "SmartPlant\src\pages\identify.js"

```javascript
export default function IdentifyPage() {
    const identifyImage = async () => {
        let formData = new FormData();
        formData.append("image", {
            uri: images[0],    // single mode
            type: "image/jpeg",
            name: "photo.jpg",
        });

        try {
            setLoading(true);
            const response = await fetch("http://10.69.215.149:3000/predict", {
                method: "POST",
                headers: { "Content-Type": "multipart/form-data" },
                body: formData,
            });

            const data = await response.json();
            setLoading(false);
```

and "SmartPlant\src\pages\identify_output.js"

```javascript
export default function ResultScreen() {
    const constructHeatmap = async () => {
            name: "photo.jpg",
        });

        try {
            setLoading(true);

            const response = await fetch("http://10.69.215.149:3000/heatmap", {
                method: "POST",
                headers: { "Content-Type": "multipart/form-data" },
                body: formData,
            });

            const data = await response.json();
            setLoading(false);
```