

# Smart Home Automation System

## Software Installations

### 1. Update Your Raspberry Pi

```
sudo apt-get update  
sudo apt-get upgrade
```

### 2. Install Python and pip

```
sudo apt-get install python3 python3-pip
```

### 3. Install Required Python Packages

```
pip3 install flask flask-cors RPi.GPIO requests
```

### 4. Set Up the Project Directory

```
mkdir smart_home_system  
cd smart_home_system
```

### 5. Create a Static Directory for Web Files

```
mkdir static
```

To find your Raspberry Pi IP: `hostname -I`

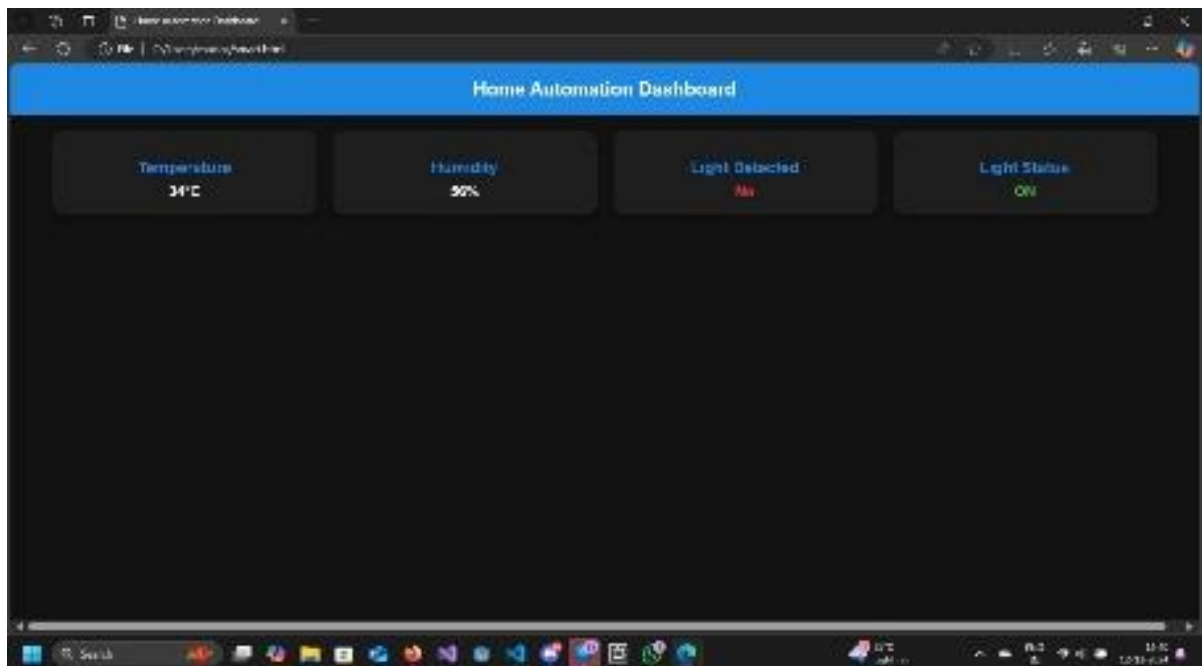


Fig. The Dashboard of the Project

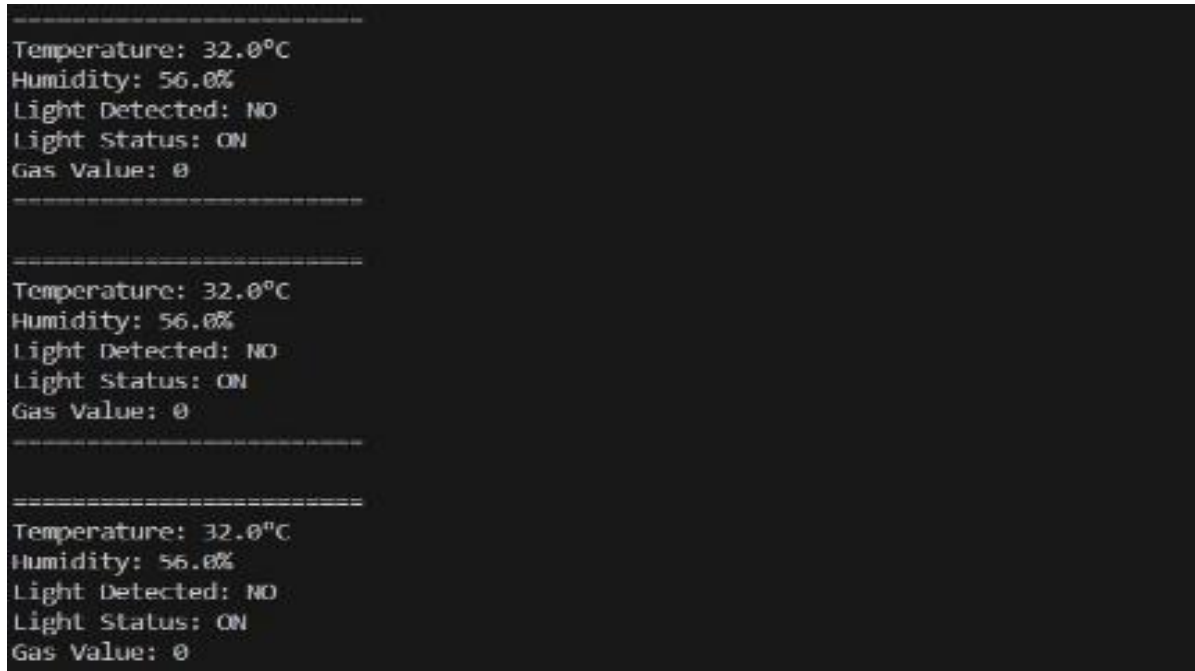


Fig. The Terminal Page of the Project

