LED Matrix Art Maker

A tool for creating and displaying 8x8 pixel art on LED matrix displays.

Host Computer Setup (for bit-draw.py)

This is where you'll create your pixel art designs.

MAC OS Instructions:

First, find where you downloaded/extracted the LED Matrix Art Maker:

- If you received it by email, check your Downloads folder
- The folder should be named "led-matrix-draw.zip"
- Double-click on the file to extract it
- Open Terminal (Cmd + Space, type "terminal", press Enter)
- Type "cd " (with a space after cd)
- Drag and drop the "led-matrix-web" folder from Finder into Terminal
- Press Enter
- Now Terminal will open and you'll be working out of the proper directory
- Now type:

```
python3 -m venv venv
```

This will create a virtual environment so we can install necessary library without affecting your computer's setup.

Activate the virtual environment:

```
source venv/bin/activate
```

Install required package

```
pip install pillow
```

Creating Pixel Art

1. Run the pixel art creation tool:

```
python bit-draw.py
```

1. This will start the app and you can now draw your 8x8 pixel art designs
2. Save your designs - they will be stored in the `saved-drawings` directory
3. Send me the saved drawings and I'll convert them to work on the led matrix display