

# Dashboard Installation for macOS

## 1. Download the Project

1. Go to the GitHub repository:

<https://github.com/rmapdgo/FSM-V2.1-Dashboard-local>

or on sharepoint

<https://liveuclac.sharepoint.com/:f:/r/sites/WellcomeLeapMedPhys/Shared%20Documents/Data%20Platform/FetalSense/dashboard-V2.1?csf=1&web=1&e=obLUD3>

2. Click **Code** → **Download ZIP**
3. Save the file (e.g., in Downloads)
4. Double-click the ZIP to extract

You should now have a folder like:

```
FSM-V2.1-Dashboard-local/  
  app.py  
  requirements.txt  
  src/
```

## 2. Install Python (macOS)

### ✓ Option A — Use the official installer (recommended)

1. Go to:

<https://www.python.org/downloads/mac-osx/>

2. Download the latest:

**Python 3.x macOS 64-bit universal installer**

3. Open the `.pkg` file and complete installation.

### ✓ Option B — Install via Homebrew (advanced users)

If you prefer Homebrew:

```
brew install python
```

### Verify Python installation:

Open **Terminal** ( `Cmd + Space` → `Terminal` ) and run:

```
python3 --version  
pip3 --version
```

Both should return versions.

### 3. Install VS Code

1. Download:

<https://code.visualstudio.com/>

2. Open the `.dmg` and drag **VS Code** to Applications.
3. Open VS Code and install:

**Python Extension (Microsoft)**

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### 4. Open the Project in VS Code

1. In VS Code, click **File** → **Open Folder**
2. Select the folder:

```
FSM-V2.1-Dashboard-local
```

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### 5. Create a Virtual Environment (Recommended)

Open a terminal inside VS Code:

**Terminal** → **New Terminal**

Run:

```
python3 -m venv venv
```

Activate it:

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

You should now see:

```
(venv) your-mac:~/FSM-V2.1-Dashboard-local user$
```

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### 6. Install Required Python Packages

With your venv active:

```
pip install -r requirements.txt
```

If pip is outdated:

```
python3 -m pip install --upgrade pip
```

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## 7. Run the Application

Still in the terminal:

```
python3 app.py
```

You should see something like:

```
Running on http://127.0.0.1:8052
```

## 8. Open the Dashboard

Open your browser and go to:

```
http://localhost:8052
```

(Or whatever port `app.py` is set to.)

## 9. Stop the App

Press:

```
CTRL + C
```

## Optional Troubleshooting

If package installation fails, try:

```
pip install --upgrade pip setuptools wheel
```

Then reinstall:

```
pip install -r requirements.txt
```