

MarsinSight - Beginner Setup Guide

INTRODUCTION

This guide explains how to run the MarsinSight project on your laptop from start to finish. It is written for beginners with no prior Git or backend experience.

WHAT YOU NEED INSTALLED

1. Python (already installed in your case)
2. Git

If Git is not installed, download it from:
<https://git-scm.com/downloads>

STEP 1 – OPEN YOUR SYSTEM TERMINAL

On Windows:

Press Windows Key → Type 'cmd' → Press Enter

On Mac:

Press Command + Space → Type 'Terminal' → Press Enter

STEP 2 – CHECK IF GIT IS INSTALLED

Type:

git --version

If you see a version number, Git is installed.

If not, install Git using the link above.

STEP 3 – MOVE TO DESKTOP (OR ANY FOLDER YOU PREFER)

Type:

cd Desktop

STEP 4 – DOWNLOAD THE PROJECT FROM GITHUB

Type:

git clone https://github.com/BoyofMars/marsinsight.git

Then enter the folder:

cd marsinsight

STEP 5 – CREATE A VIRTUAL ENVIRONMENT

Type:

python -m venv venv

STEP 6 – ACTIVATE THE VIRTUAL ENVIRONMENT

On Windows:

```
venv\Scripts\activate
```

On Mac/Linux:

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

If successful, you will see (venv) at the beginning of the terminal line.

STEP 7 – INSTALL REQUIRED PACKAGES

Type:

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

STEP 8 – START THE APPLICATION

Type:

```
uvicorn main:app --reload
```

You should see:

```
Uvicorn running on http://127.0.0.1:8000
```

STEP 9 – OPEN YOUR BROWSER

Open Chrome (or any browser) and go to:

```
http://127.0.0.1:8000
```

MarsinSight should now be running.

FINAL NOTES

- Git downloads your project.
- Python runs your project.
- The terminal is where you type commands.
- GitHub is where your code is stored online.

If anything fails, check that Python and Git are correctly installed.