

Software Downloads Before

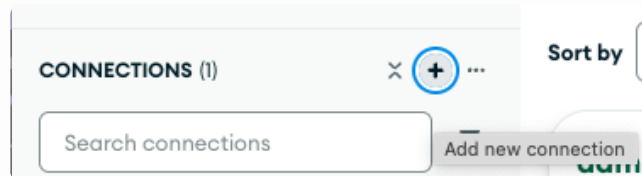
- Make sure you have python 3.12 or less
 - Install neo4j Desktop - <https://neo4j.com/download/>
 - Install Docker Desktop
 - Install MongoDB community edition (keep the activation key) [Mongo Download](#)
 - Install MongoDB Compass [MongoDB Compass](#)
- Install ollama if you are on mac and download the model llama2:7b

Neo4j Desktop Setup

- Skip Registration if it prompts you to.
 - [Watch Video](#)
 - username:neo4j
 - password: 12345678

MongoDB Set Up

- Start MongoDB service
 - Mac: `mongod -dbpath ~/mongodb-data/db`
 - Windows: if custom: `mongod -dbpath "C:\path\to\your\mongodb-data\db"`
 - if Default path: `mongod -dbpath "C:\data\db"`
- Open MongoDB Compass and click new connection



and fill out the form as shown bellow.

mongodb://localhost:27017/dashboard_db

localhost:27017

Manage your connection settings

1

While connected, you may only personalize your connection's name, color or favorite status. To fully configure it, you must first disconnect. Beware that disconnecting might cause work in progress to be lost.

Disconnect

How do I find my connection string in Atlas?

If you have an Atlas cluster, go to the Cluster view. Click the 'Connect' button for the cluster to which you wish to connect. [See example](#)

How do I format my connection string?

[See example](#)

URI ⓘ

mongodb://localhost:27017/dashboard_db

Name

localhost:27017

Color

No Color

☐ Favorite this connection

Favoriting a connection will pin it to the top of your list of connections

Cancel

Save

Docker Desktop Setup

- Run Docker Desktop

Running the Docker Containers

Ensure **Docker Desktop** is running if you are on Windows.

1. Start the Docker containers:

- For Windows or Gpu

```
docker-compose --profile gpu up
```

- For Mac or no Gpu

```
docker-compose --profile non-gpu up
```

Setting up the environment

1. Create a virtual environment (in the main project directory):

```
python -m venv env
```

for Mac

```
python3 -m venv env
```

2. Activate the virtual environment:

- On **Windows**:

```
env\Scripts\activate
```

- On **Mac/Linux**:

```
source env/bin/activate
```

3. Install dependencies in the local environment:

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

Running the Python Scripts

1. Start All services - Frontend and Backend:

Navigate to the directory where `run_all_macunix.py` or `run_all.py` is located and run:

```
python <filename.py>
```

2. Open the Document Module (open a new terminal):

-Before running if you are on a mac change line 28 to

```
from image_moduleMac import ImageClassifier
```

on windows it should be

```
from image_module import ImageClassifier
```

The reason for this is that we could not get Microsoft Resnet 50 running on Mac

Navigate to the directory where `doc_module.py` is located and run:

```
python doc_module.py
```