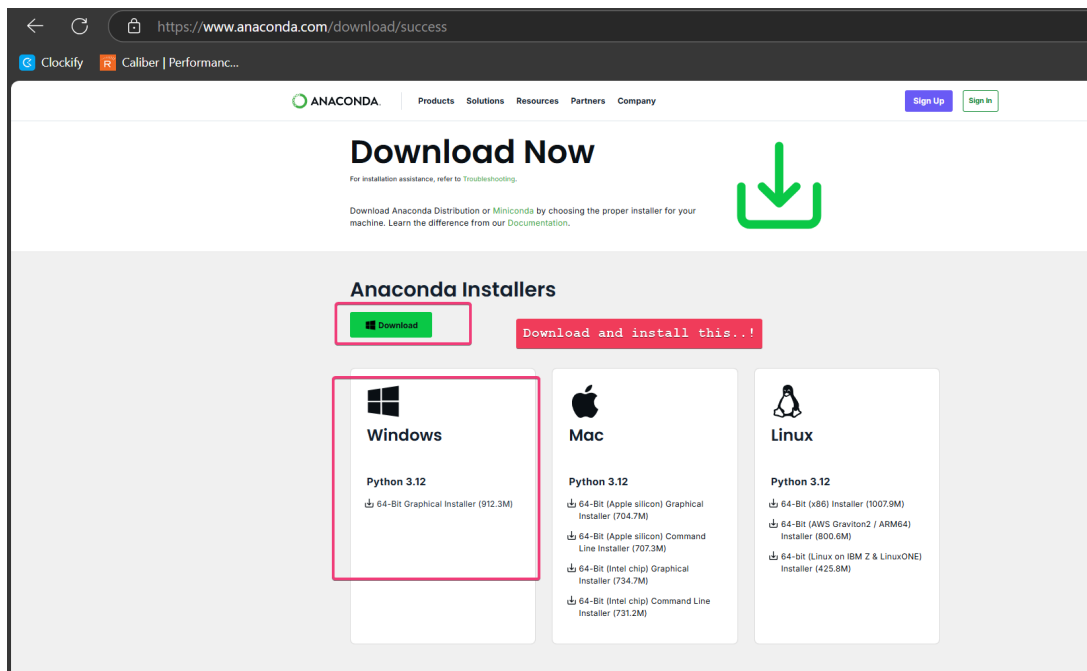


## 01 Anaconda Setup for llms

### 1. [Download Now | Anaconda](#)



Watch this video, if required -> <https://youtu.be/mg6cMkz9Q0c?si=mBbsrwsyb1qsN0-C>

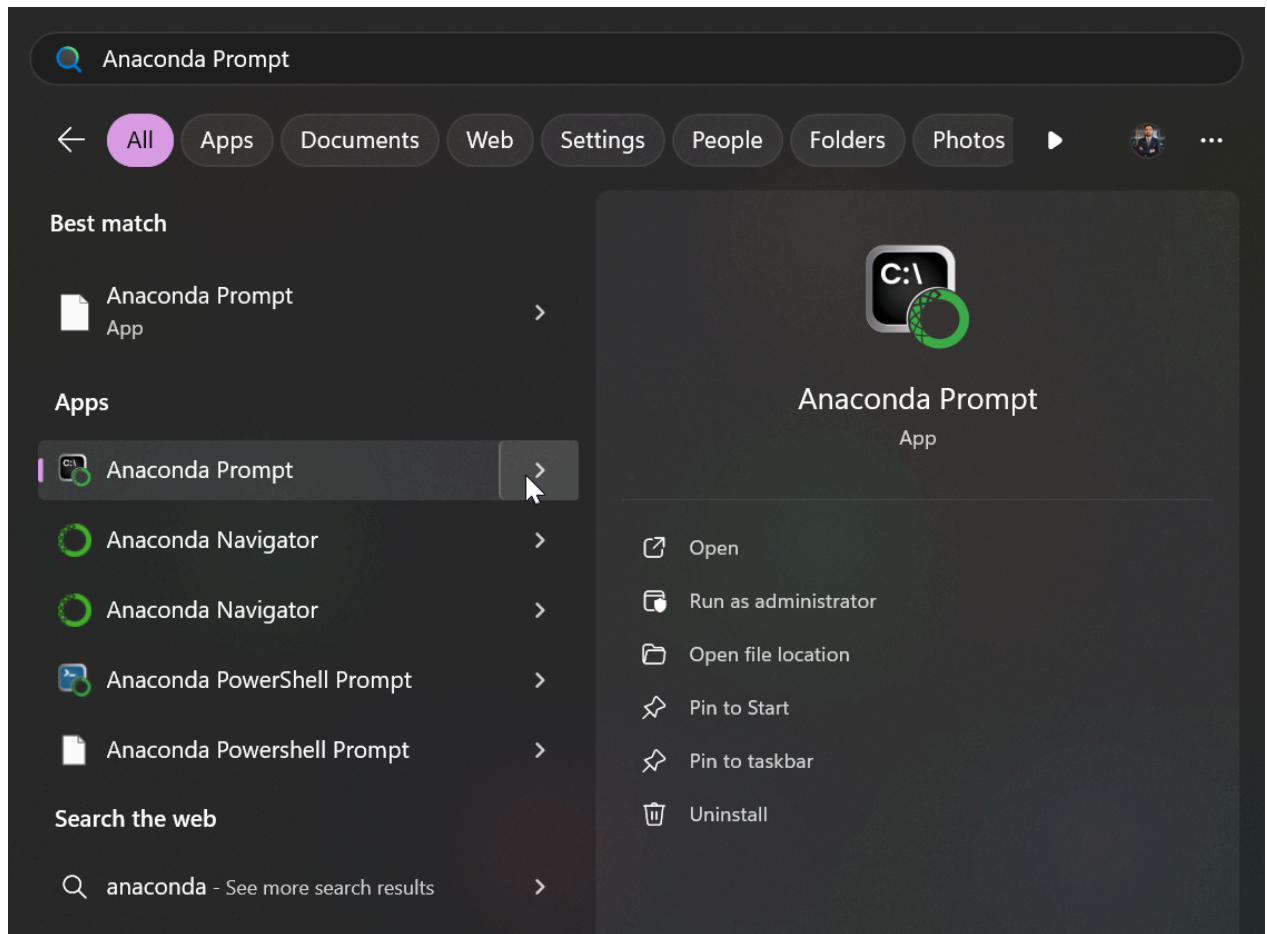
- Follow on-screen instructions and complete the installation

#### 1. **Install Anaconda:**

- Download Anaconda from <https://docs.anaconda.com/anaconda/install/windows/>
- Run the installer and follow the prompts. Note that it takes up several GB and take a while to install, but it will be a powerful platform for you to use in the future.

#### 2. **Set up the environment:**

- Open **Anaconda Prompt** (search for it in the Start menu)



- 
- run the command `conda init`

```

Anaconda Prompt
(base) C:\Users\NikhilSharma>conda init
no change      C:\ProgramData\anaconda3\Scripts\conda.exe
no change      C:\ProgramData\anaconda3\Scripts\conda-env.exe
no change      C:\ProgramData\anaconda3\Scripts\conda-script.py
no change      C:\ProgramData\anaconda3\Scripts\conda-env-script.py
no change      C:\ProgramData\anaconda3\condabin\conda.bat
no change      C:\ProgramData\anaconda3\Library\bin\conda.bat
no change      C:\ProgramData\anaconda3\condabin\_conda_activate.bat
no change      C:\ProgramData\anaconda3\condabin\rename_tmp.bat
no change      C:\ProgramData\anaconda3\condabin\conda_auto_activate.bat
no change      C:\ProgramData\anaconda3\condabin\conda_hook.bat
no change      C:\ProgramData\anaconda3\Scripts\activate.bat
no change      C:\ProgramData\anaconda3\condabin\activate.bat
no change      C:\ProgramData\anaconda3\condabin\deactivate.bat
no change      C:\ProgramData\anaconda3\Scripts\activate
no change      C:\ProgramData\anaconda3\Scripts\deactivate
no change      C:\ProgramData\anaconda3\etc\profile.d\conda.sh
no change      C:\ProgramData\anaconda3\etc\fish\conf.d\conda.fish
no change      C:\ProgramData\anaconda3\shell\condabin\Conda.psm1
no change      C:\ProgramData\anaconda3\shell\condabin\conda-hook.ps1
no change      C:\ProgramData\anaconda3\Lib\site-packages\xontrib\conda.xsh
no change      C:\ProgramData\anaconda3\etc\profile.d\conda.csh
no change      C:\Users\NikhilSharma\OneDrive - revature.com\Documents\WindowsPowerShell\profile.ps1
no change      C:\Users\NikhilSharma\OneDrive - revature.com\Documents\PowerShell\profile.ps1
no change      HKEY_CURRENT_USER\Software\Microsoft\Command Processor\AutoRun
No action taken.

(base) C:\Users\NikhilSharma>
  
```

- download the `environment.yml` file from here: <https://github.com/KirkYagami/ps2-genai-trng/blob/main/environment.yml>

The screenshot shows the VS Code interface. The Explorer pane on the left shows a file named `environment.yml` under the `LEARN_GENAI` folder. The main editor displays the content of `environment.yml`:

```

1 name: llms
2 channels:
3   - conda-forge
4   - defaults
5 dependencies:
6   - python=3.11
7   - pip
8   - python-dotenv
9   - requests
10  - numpy
11  - pandas
12  - scipy
13  - pytorch
14  - jupyterlab
15  - ipywidgets
16  - matplotlib
17  - scikit-learn
18  - chromadb
19  - jupyter-dash
20  - pyarrow
21  - pip:
22    - beautifulsoup4
  
```

Below the editor, the TERMINAL pane shows a command prompt session:

```

(base) PS C:\dev01\learn_genai> ls

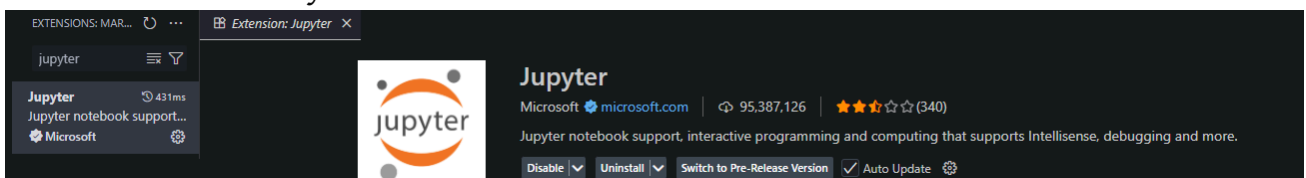
Directory: C:\dev01\learn_genai

Mode                LastWriteTime         Length Name
----                -
-a---             9/15/2025 11:27 AM             738 environment.yml
  
```

- Create the environment: `conda env create -f environment.yml`
- Wait for a few minutes for all packages to be installed - in some cases, this can literally take 30 minutes if you've not used Anaconda before, and even longer depending on your internet connection. Important stuff is happening! If this runs for more than 1 hour 15 mins, or gives you other problems, text me.
- You have now built an isolated, dedicated AI environment for engineering LLMs, running vector datastores, and so much more! You now need to **activate** it using this command: `conda activate llms`

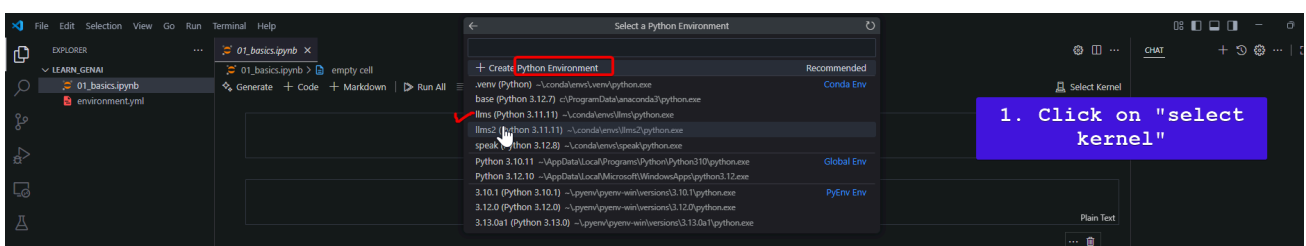
You should see `(llms)` in your prompt, which indicates you've activated your new environment.

Download extensions in your VS Code:



### 3. Test it:

- Create a `some_file_name.ipynb` file in the vs code



PYTHON

```
import langchain
langchain.__version__

# output: '0.3.23'
```