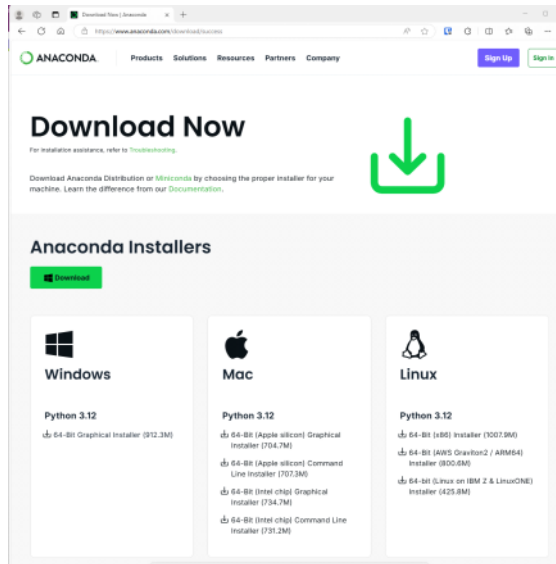


# Setup Anaconda

Thursday, September 26, 2024 3:08 PM

## Step 1: Download and install Anaconda. Install takes a few minutes.

<https://www.anaconda.com/download/success>

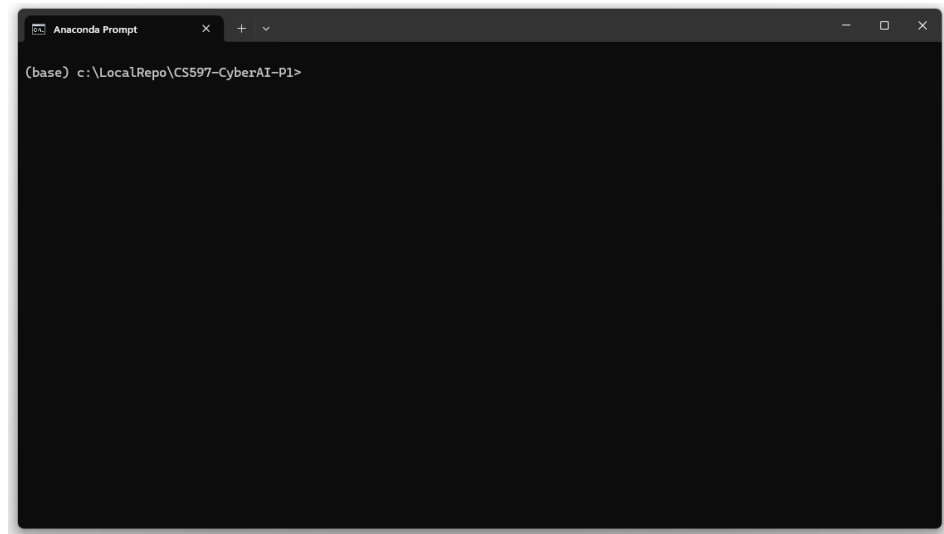
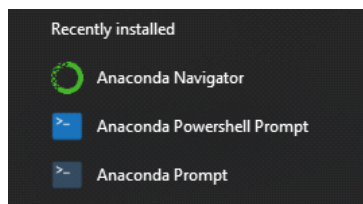


## Step 2: Clone repo from Github

<https://github.com/GraceLyle/CS597-CyberAI-P1.git>

## Step 3a:

Open Anaconda Prompt: navigate to the folder that you cloned the repo to from Step2.  
e.g. `cd c:\LocalRepo\CS597-CyberAI-P1`



## Step 3b:

Run the following command in Anaconda Prompt. This will download all the python libraries that are needed to run.

```
conda env create -f environment.yml
```

**Step4: Activate your environment:**

```
conda activate cs597-cyberai-p1
```

Step5: Launch Jupyter Notebook

Jupyter notebook

```
Anaconda Prompt - jupyter n X + v

Stored in directory: c:\users\janson lytle\appdata\local\pip\cache\wheels\94\0a\d1\07189a9def1e2c349391730fc4a6cf88173
Successfully built antlr4-python3-runtime configobj
Installing collected packages: pygtrie, mpmath, fancy, dictdiffer, appdirs, antlr4-python3-runtime, zc-lockfile, volupte
Attempting uninstall: typing-extensions
  Found existing installation: typing_extensions 4.11.0
  Uninstalling typing_extensions-4.11.0:
    Successfully uninstalled typing_extensions-4.11.0
Successfully installed adlfs-2024.7.0 aiohappyeyeballs-2.4.0 aiohttp-3.10.6 aiohttp-retry-2.8.3 aiosignal-1.3.1 amqp-5.1
done
#
# To activate this environment, use
#
#   $ conda activate cs597-cyberai-p1
#
# To deactivate an active environment, use
#
#   $ conda deactivate

(base) c:\LocalRepo\CS597-CyberAI-P1>conda activate cs597-cyberai-p1

(cs597-cyberai-p1) c:\LocalRepo\CS597-CyberAI-P1>jupyter notebook

(cs597-cyberai-p1) c:\LocalRepo\CS597-CyberAI-P1>jupyter notebook
[I 2024-09-26 15:31:09.870 ServerApp] Extension package jupyter_lsp took 0.1837s to import
[W 2024-09-26 15:31:09.881 ServerApp] A `_jupyter_server_extension_points` function was not found in jupyter_lsp. Instead, a `_jupyter_server_extension_paths` function was found and will be used for now. This function name will be deprecated in future releases of Jupyter Server.
[I 2024-09-26 15:31:09.987 ServerApp] Extension package jupyter_server_terminals took 0.1059s to import
[W 2024-09-26 15:31:11.600 ServerApp] A `_jupyter_server_extension_points` function was not found in notebook_shim. Instead, a `_jupyter_server_extension_paths` function was found and will be used for now. This function name will be deprecated in future releases of Jupyter Server.
[I 2024-09-26 15:31:11.600 ServerApp] jupyter_lsp | extension was successfully linked.
[I 2024-09-26 15:31:11.617 ServerApp] jupyter_server_terminals | extension was successfully linked.
[I 2024-09-26 15:31:11.627 ServerApp] jupyterlab | extension was successfully linked.
[I 2024-09-26 15:31:11.631 ServerApp] notebook | extension was successfully linked.
[I 2024-09-26 15:31:11.631 ServerApp] Writing Jupyter server cookie secret to C:\Users\Janson Lytle\AppData\Roaming\jupyter\runtime\jupyter_cookie_secret
[I 2024-09-26 15:31:12.112 ServerApp] notebook_shim | extension was successfully linked.
[I 2024-09-26 15:31:12.148 ServerApp] notebook_shim | extension was successfully loaded.
```

Step 6: Download Datafiles from Kaggle.

Create a folder called data, in the root of the repo and put the files from Kaggle into it.

This PC > Windows (C:) > LocalRepo > CS597-CyberAI-P1 > data

Search data

Name	Date modified	Type	Size
Android_Malware.csv	9/26/2024 3:39 PM	Microsoft Excel C...	201,498 KB
dataset_phishing.csv	9/26/2024 3:39 PM	Microsoft Excel C...	3,576 KB
Friday-WorkingHours-Afternoon-DDos.p...	9/26/2024 3:40 PM	Microsoft Excel C...	75,317 KB
Friday-WorkingHours-Afternoon-PortSc...	9/26/2024 3:40 PM	Microsoft Excel C...	75,104 KB
Friday-WorkingHours-Morning.pcap_ISC...	9/26/2024 3:40 PM	Microsoft Excel C...	56,950 KB
Monday-WorkingHours.pcap_ISCX.csv	9/26/2024 3:40 PM	Microsoft Excel C...	172,782 KB
Thursday-WorkingHours-Afternoon-Infil...	9/26/2024 3:40 PM	Microsoft Excel C...	81,155 KB
Thursday-WorkingHours-Morning-Web...	9/26/2024 3:40 PM	Microsoft Excel C...	50,804 KB
Tuesday-WorkingHours.pcap_ISCX.csv	9/26/2024 3:40 PM	Microsoft Excel C...	131,914 KB
Wednesday-workingHours.pcap_ISCX.csv	9/26/2024 3:40 PM	Microsoft Excel C...	219,890 KB

Step 7: Jupyter Notebook is a webbased environment, open notebooks folder and navigate to the desired notebook (.ipynb).

