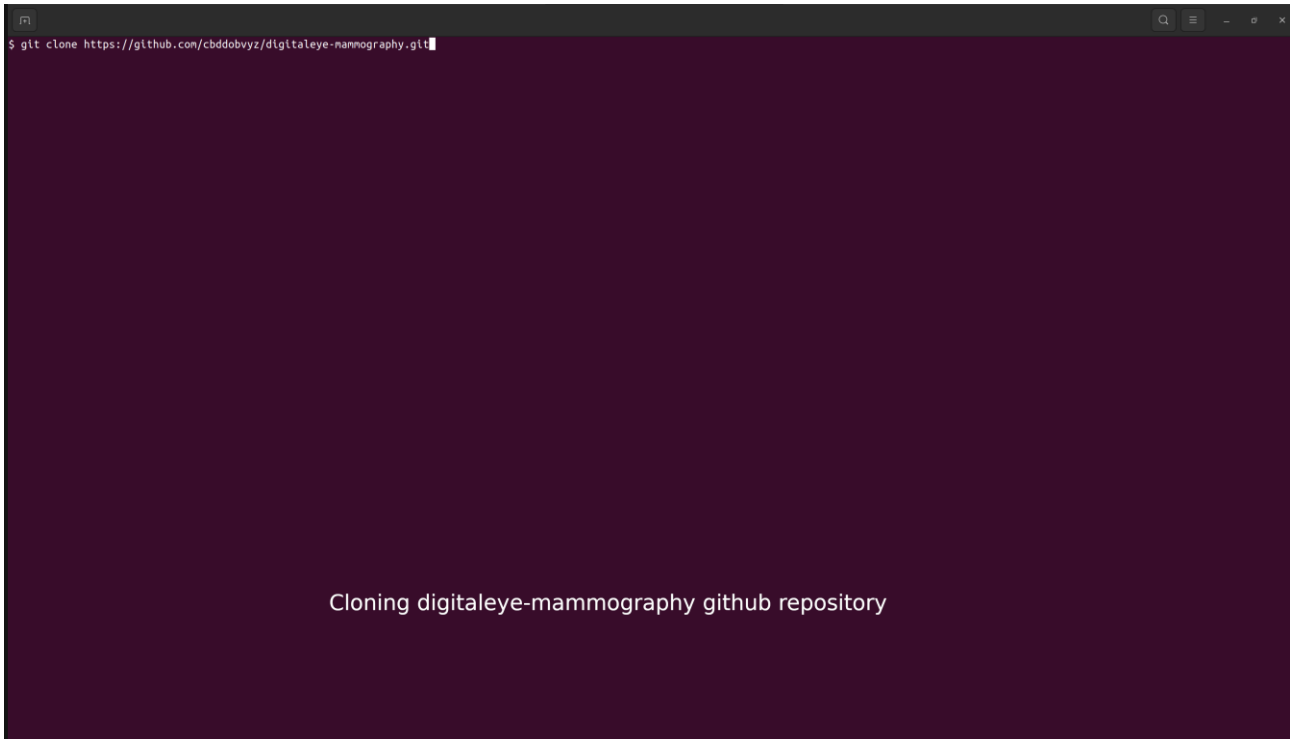
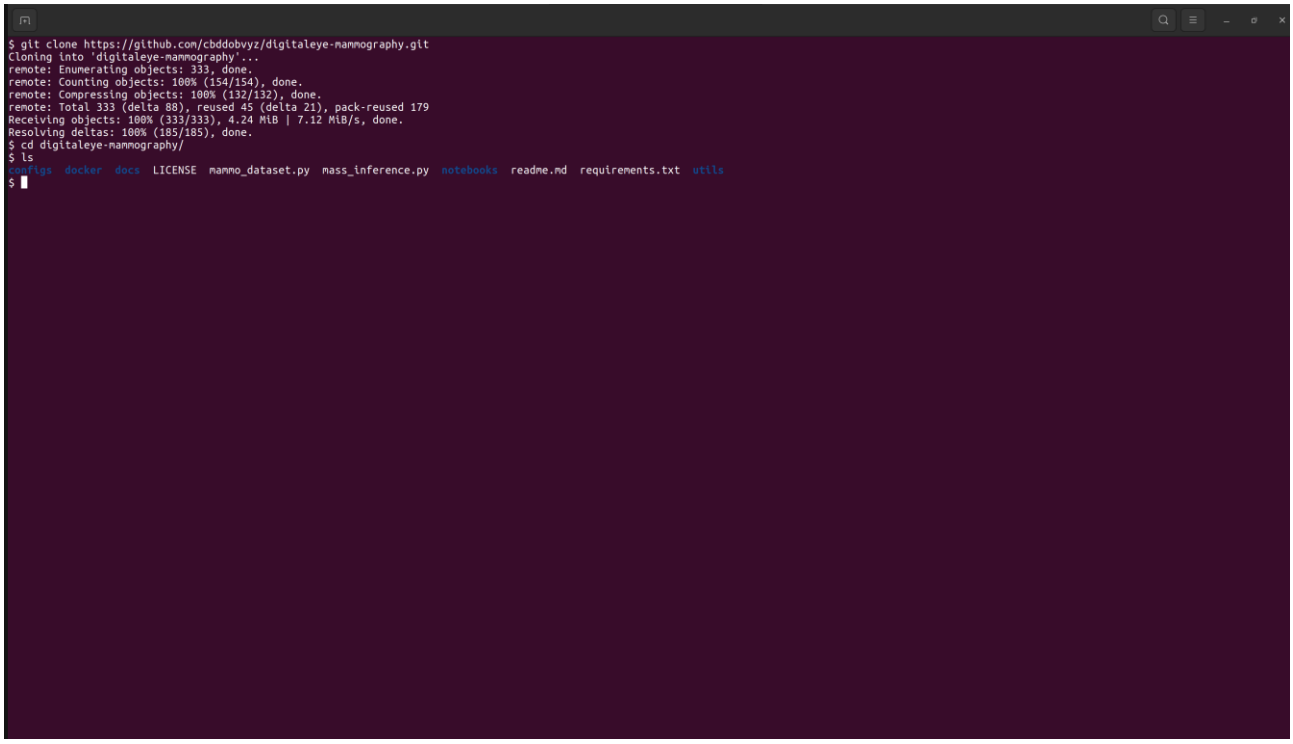
DIGITALEYE-MAMMOGRAPHY DOCKER TUTORIAL

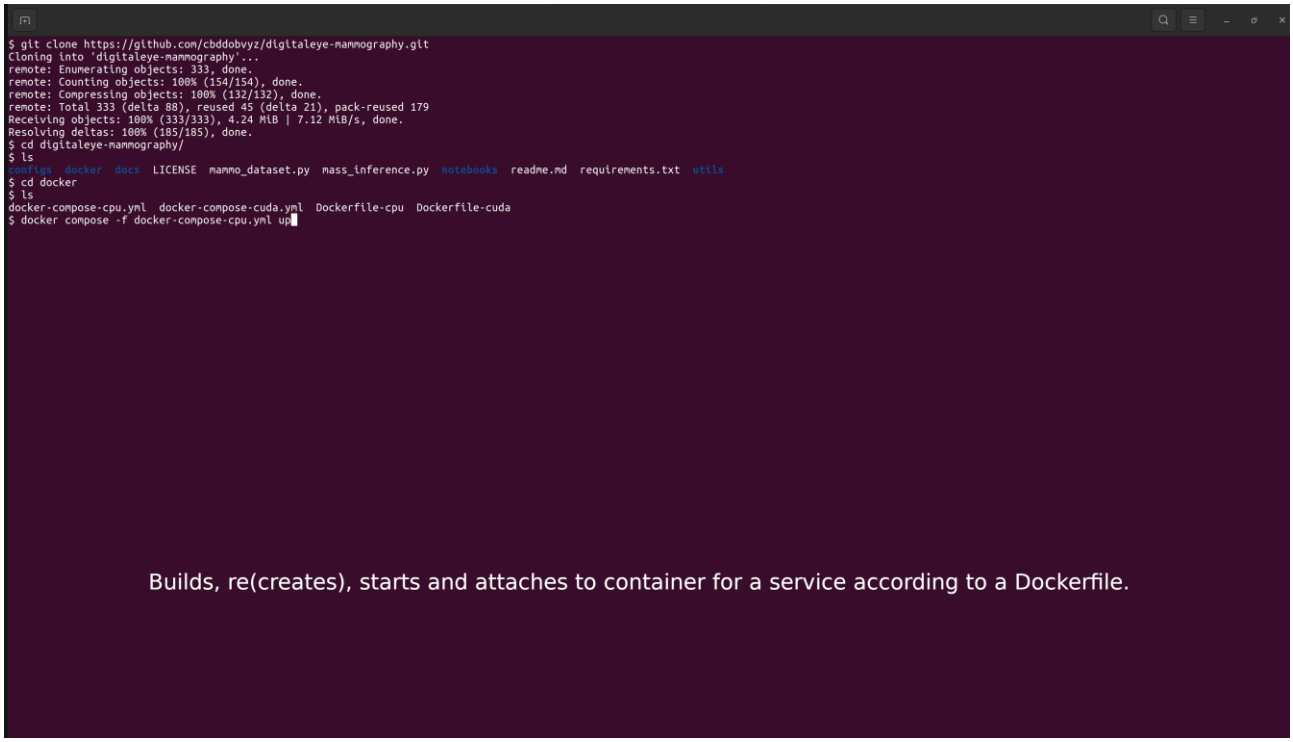
The steps you need to follow to run the application via Docker after cloning the repository are listed below.

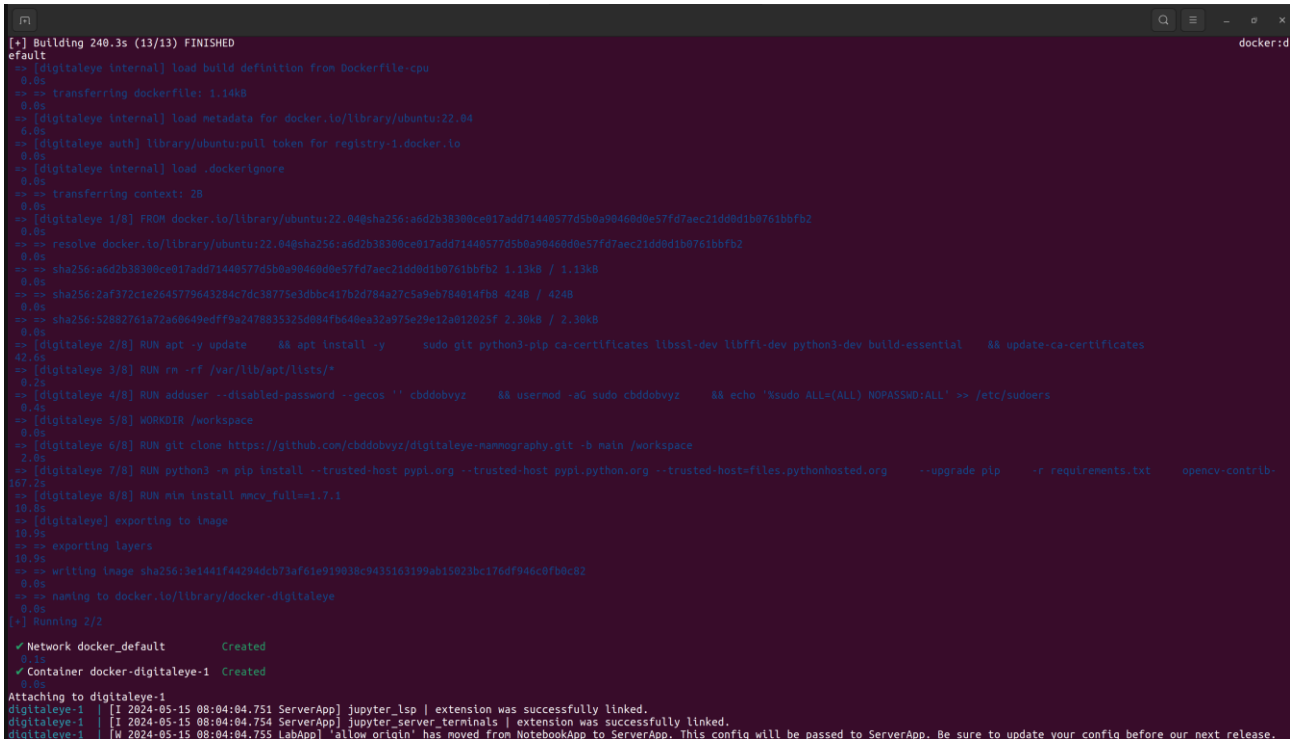
STEP 1: Clone github repository.

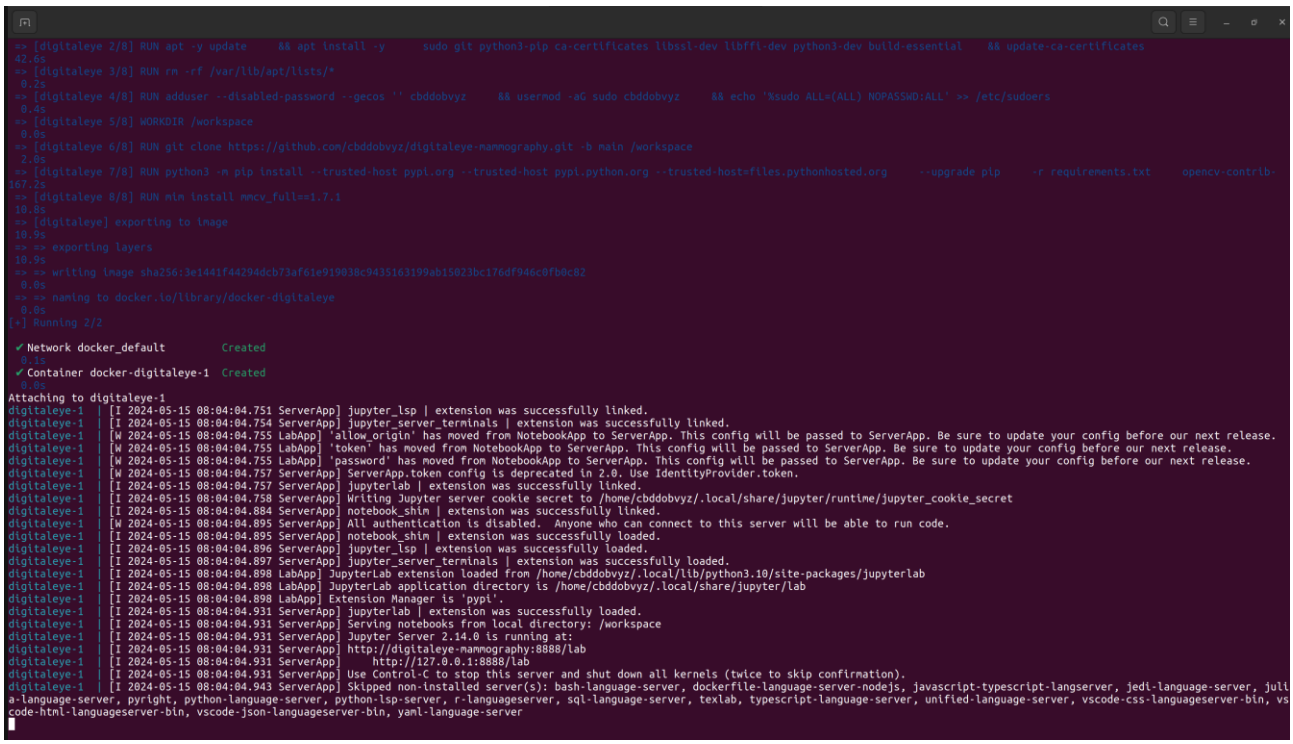




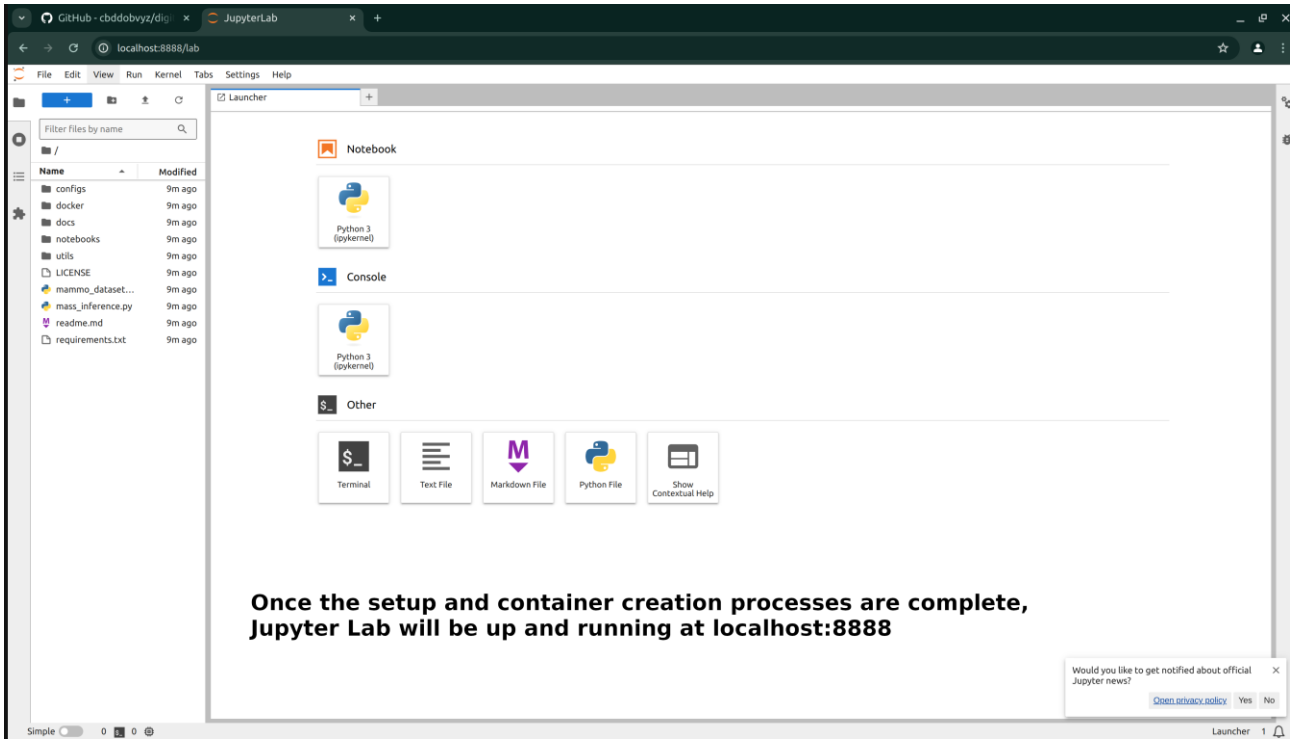
STEP 2: Change directory to the docker folder. Run “docker compose -f docker-compose-cpu.yml up” (for CPU) or “docker compose -f docker-compose-cuda.yml up” (for GPU) command.





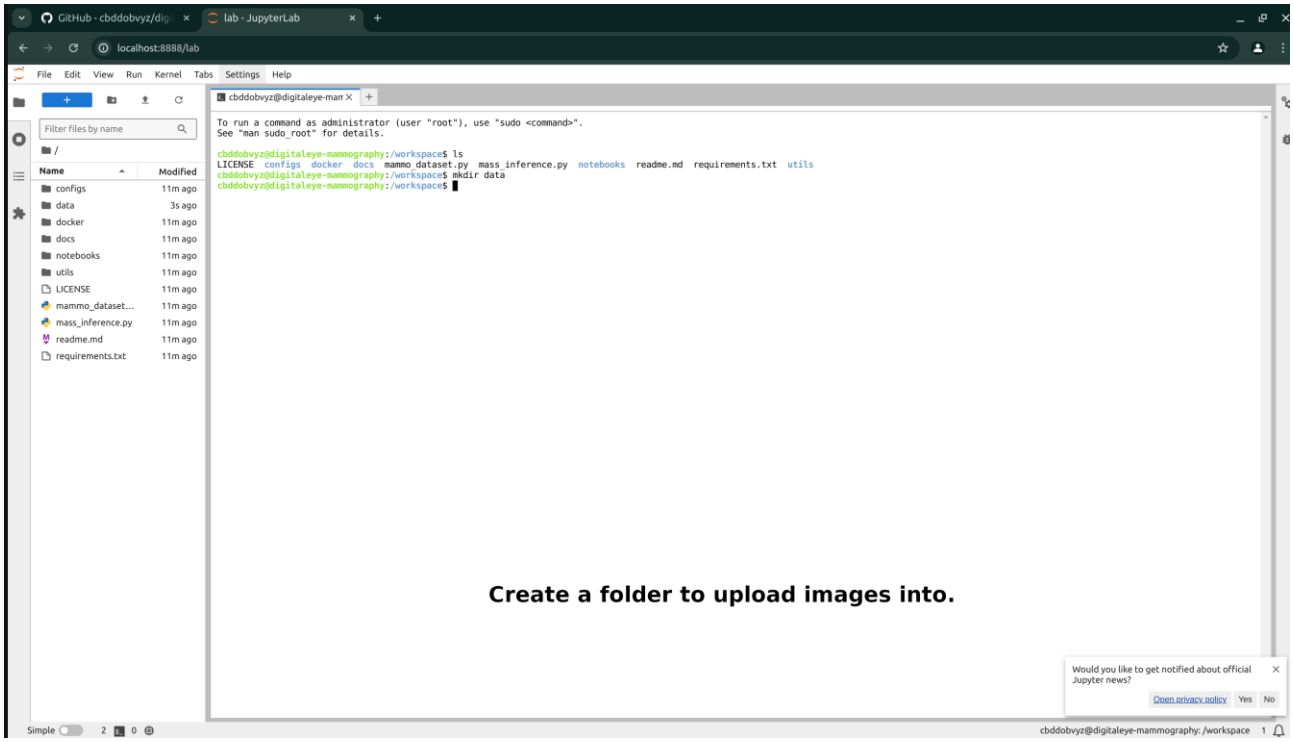


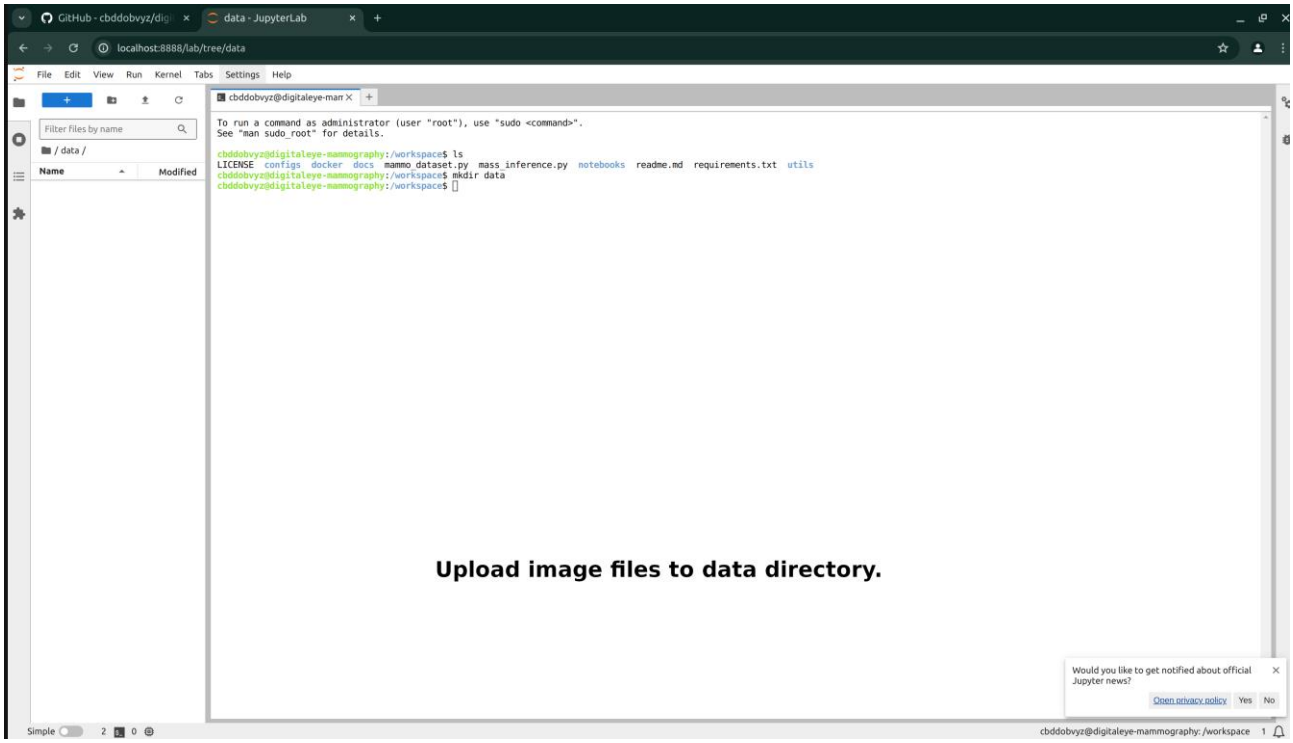
STEP 3: The Jupyter Lab interface opens at the specified http://127.0.0.1:8888/lab address or localhost:8888/lab address.

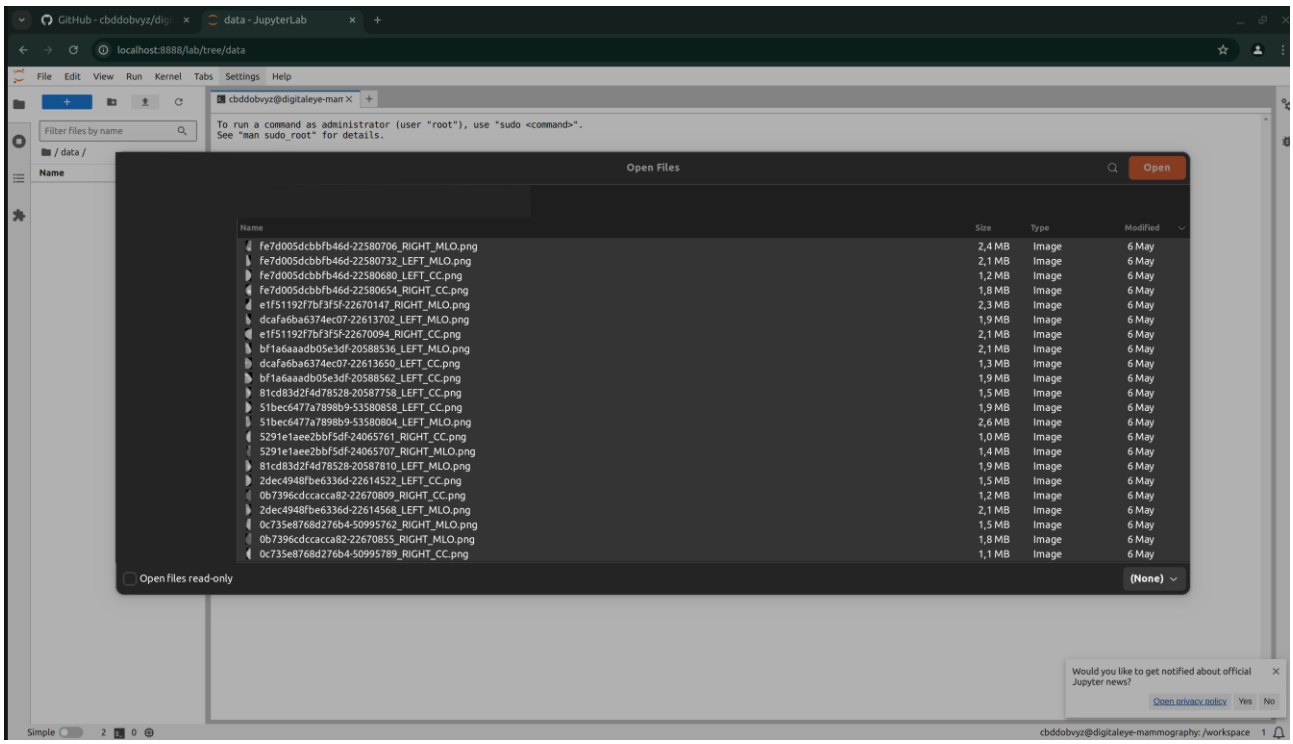


Jupyter Lab Container is up and running at localhost:8888

STEP 4: Creating data folder with “mkdir data” (different folder name can be chosen or selected instead of the data folder) command for uploading datas to that folder.






GitHub - cbddobvyz/digi
data - JupyterLab
localhost:8888/lab/tree/data
File Edit View Run Kernel Tabs Settings Help
cbddobvyz@digitaleye-man
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
Filter files by name
/ data /
Name
Open Files
Open
Name Size Type Modified
fe7d005dcbbfb46d-22580706_RIGHT_MLO.png 2,4 MB Image 6 May
fe7d005dcbbfb46d-22580732_LEFT_MLO.png 2,1 MB Image 6 May
fe7d005dcbbfb46d-22580680_LEFT_CC.png 1,2 MB Image 6 May
fe7d005dcbbfb46d-22580654_RIGHT_CC.png 1,8 MB Image 6 May
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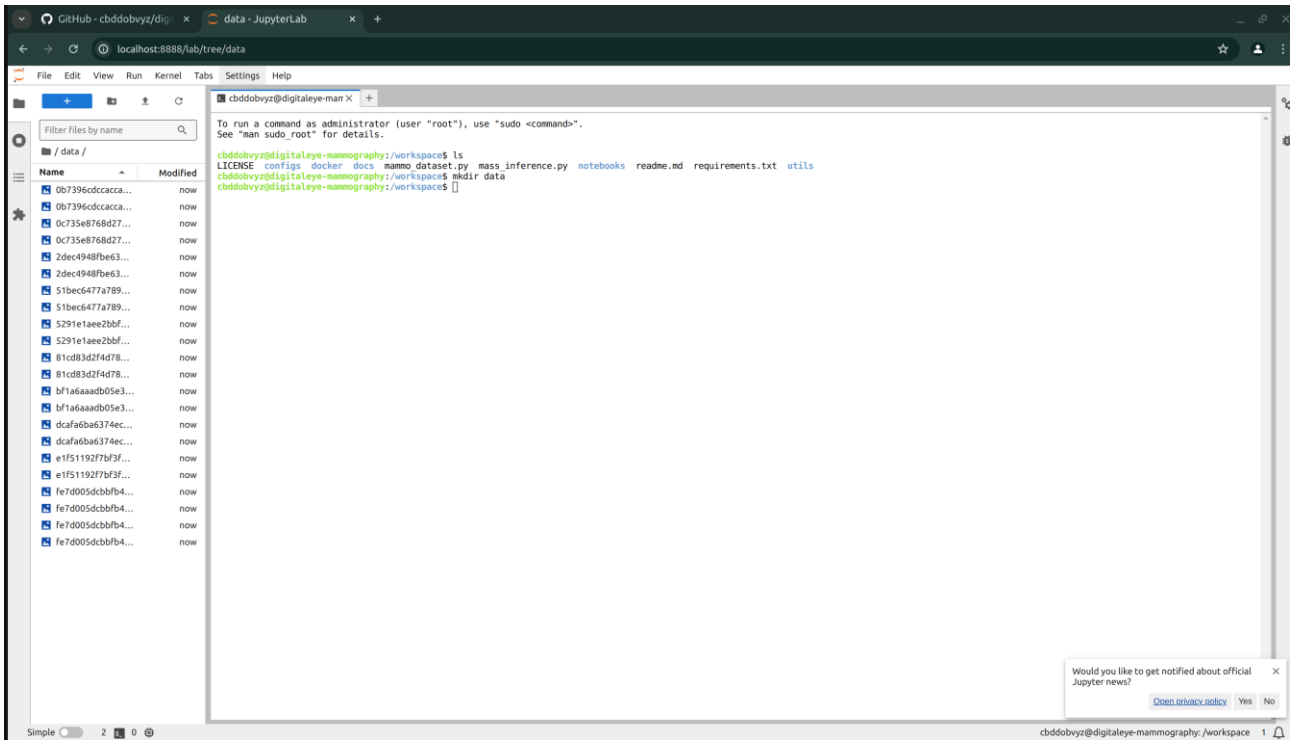
0c735e8768d276b4-50995789_RIGHT_CC.png 1,1 MB Image 6 May
Open files read-only
(None)
Would you like to get notified about official Jupyter news?
Open privacy policy Yes No
Simple
cbddobvyz@digitaleye-mammography: /workspace


GitHub - cbddobvyz/digi
data - JupyterLab
localhost:8888/lab/tree/data
File Edit View Run Kernel Tabs Settings Help
cbddobvyz@digitaleye-man
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
cbddobvyz@digitaleye-mammography:/workspace$ ls
LICENSE configs docker docs mammo_dataset.py mass_inference.py notebooks readme.md requirements.txt utils
cbddobvyz@digitaleye-mammography:/workspace$ mkdir data
cbddobvyz@digitaleye-mammography:/workspace$
Filter files by name
/ data /
Name Modified
0b7396cdccacca... now
0b7396cdccacca... now
0c735e8768d27... now
0c735e8768d27... now
2dec4948fbe63... now
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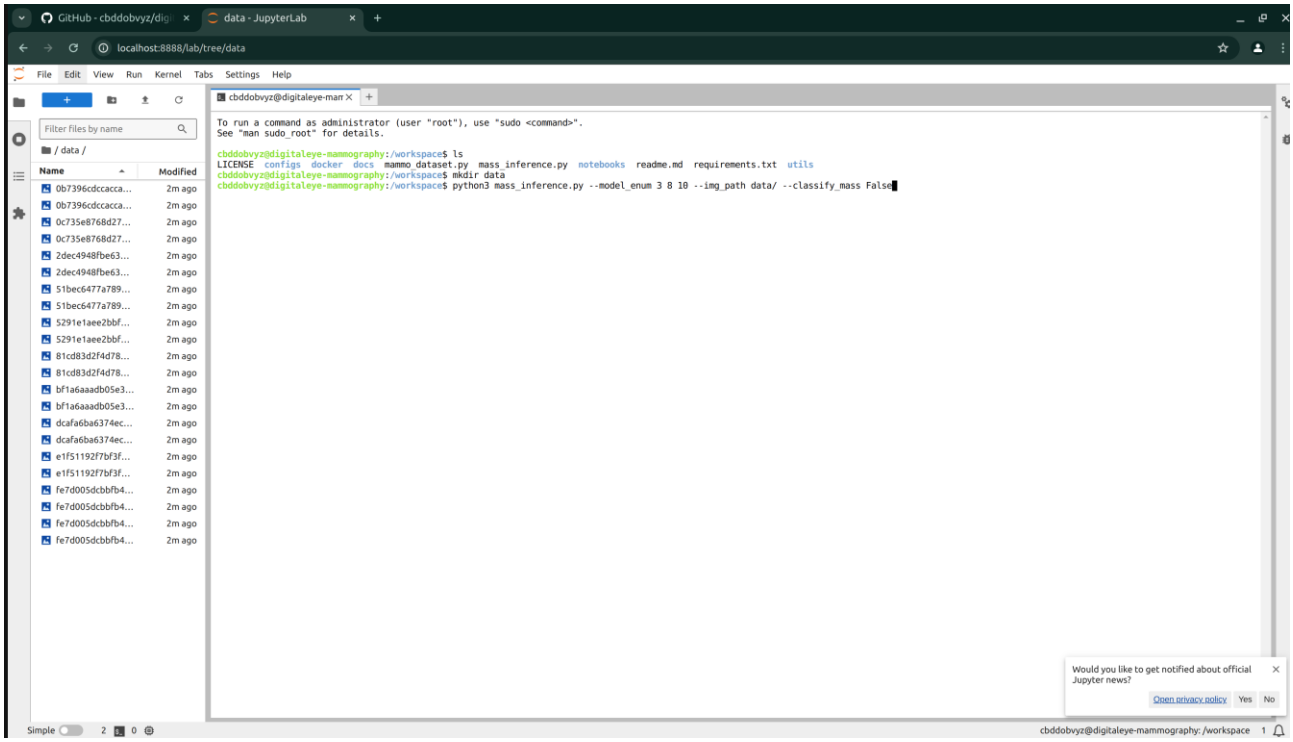
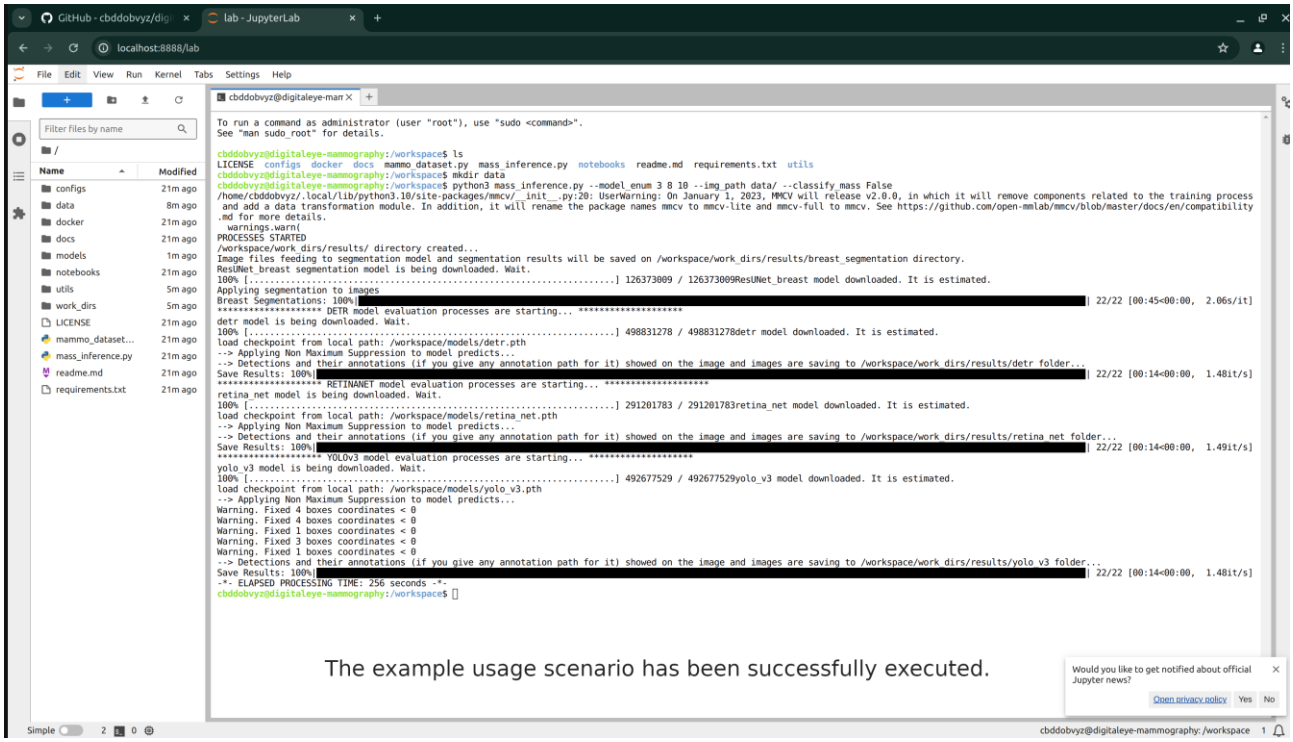
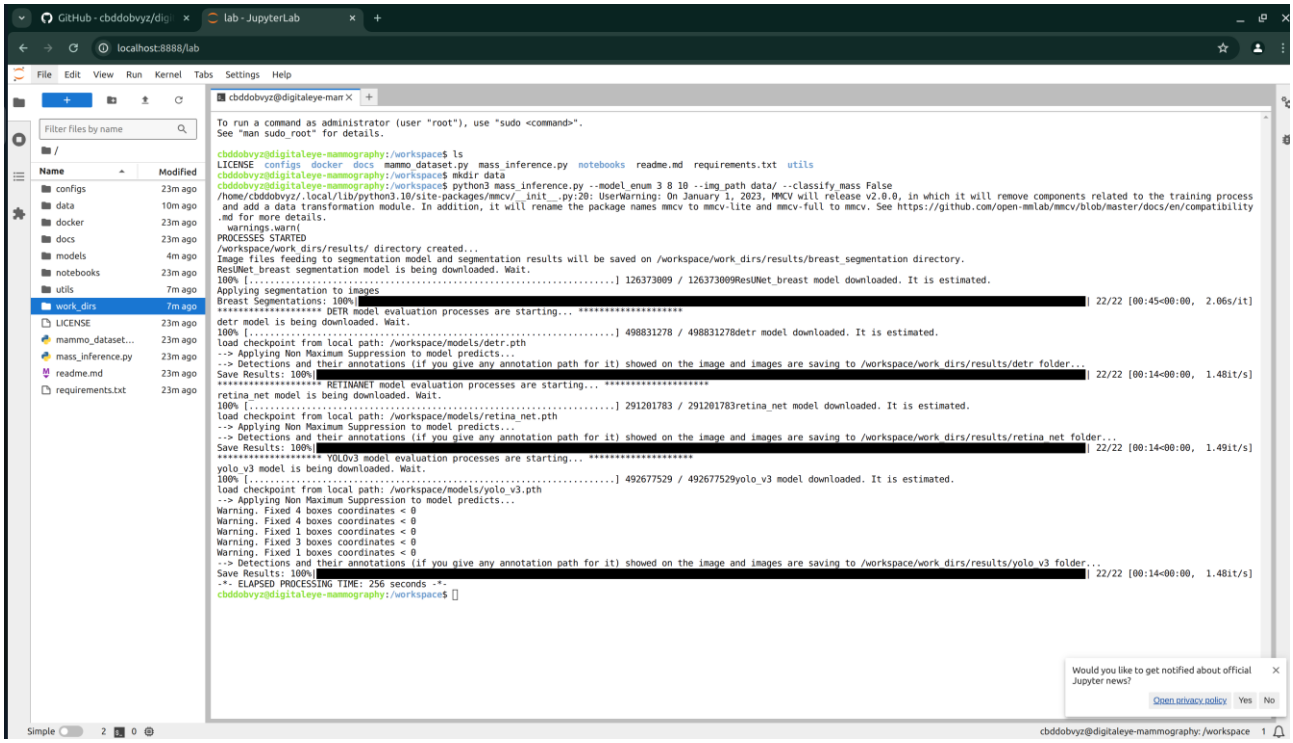
fe7d005dcbbfb4... now
Would you like to get notified about official Jupyter news?
Open privacy policy Yes No
Simple
cbddobvyz@digitaleye-mammography: /workspace

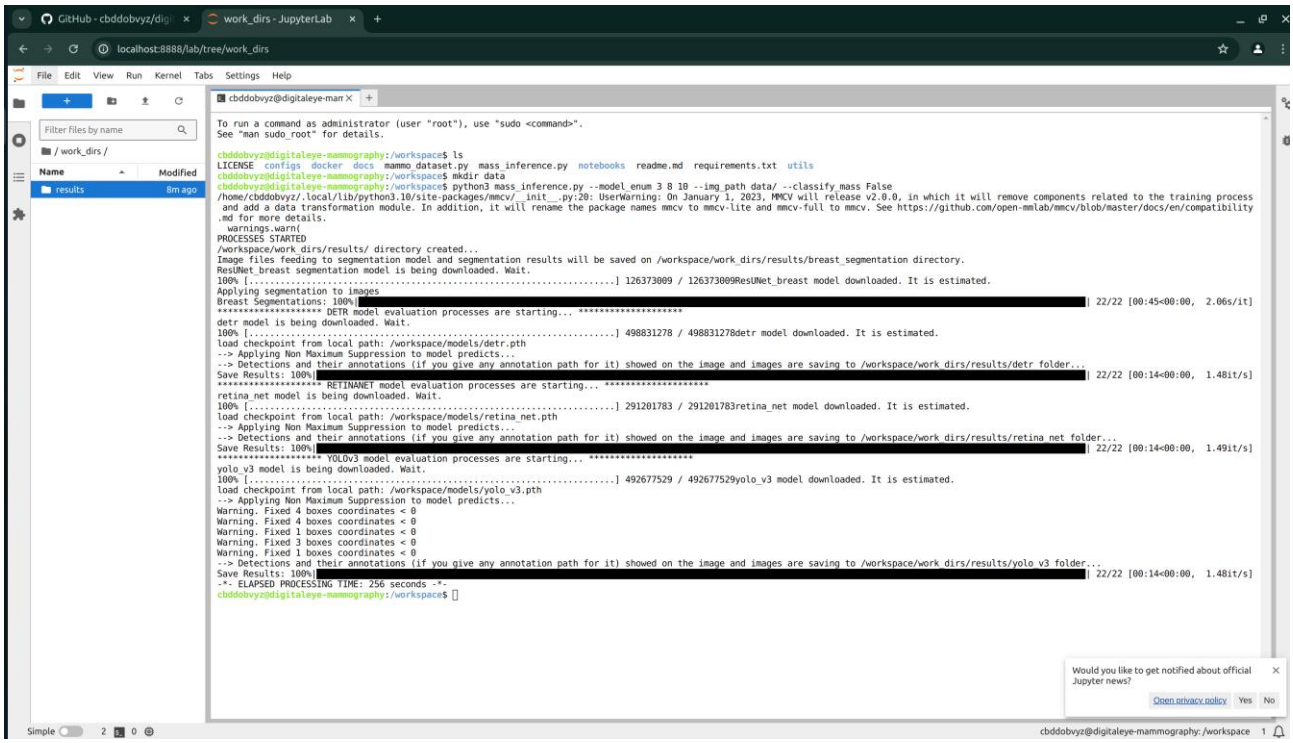
STEP 5: Running an example scenario from digitaleye-mammography repo with “python3 mass_inference.py --model_enum 3 8 10 --img_path data/ --classify_mass False” command.

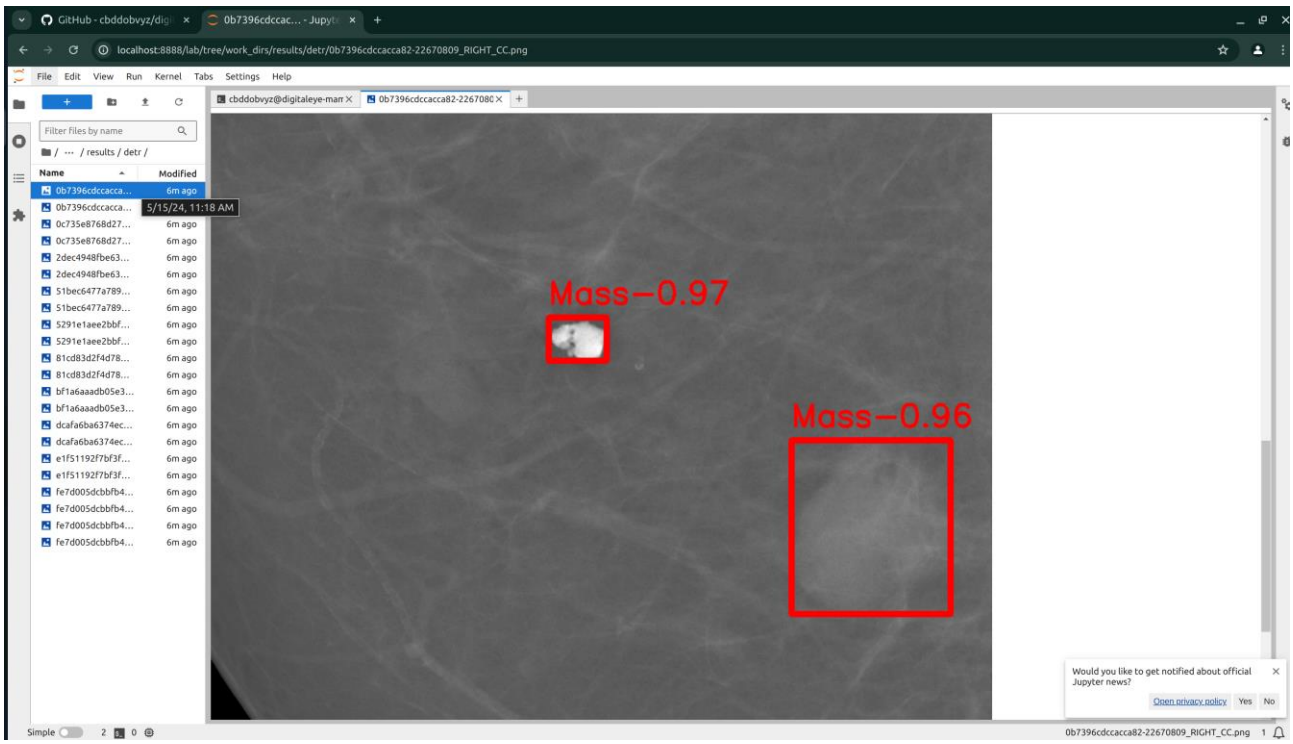




Step 6: Model outputs saved on workdirs directory.







Example model output