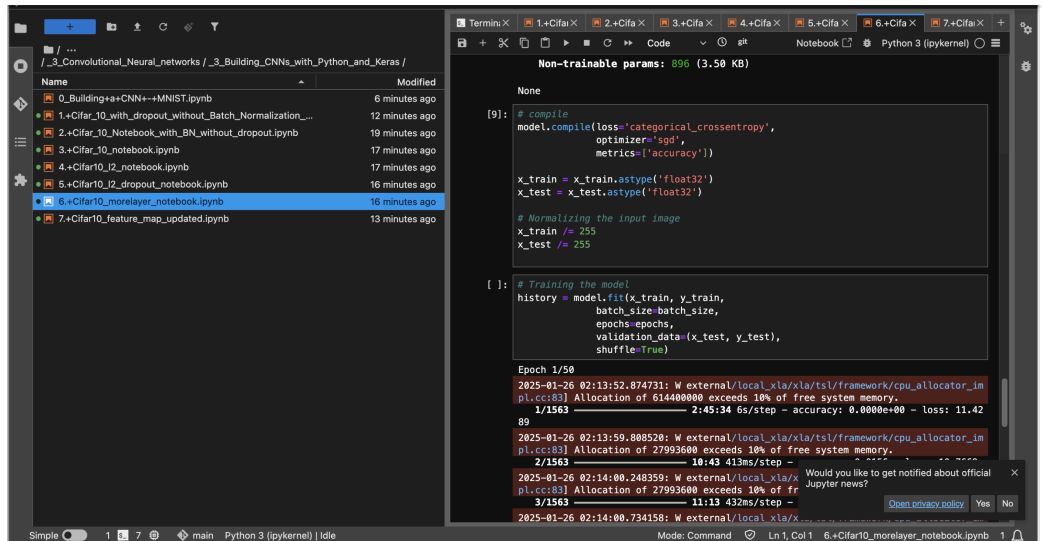


Pending items from Upgrad repo

As temporary workarounds, we took the following files / folders from existing code

-2_ Exam -2

1. might need more memory / CPU / GPU (can run this folder in Colab)



```
Non-trainable params: 896 (3.50 KB)

[9]: # compile
model.compile(loss='categorical_crossentropy',
              optimizer='sgd',
              metrics=['accuracy'])

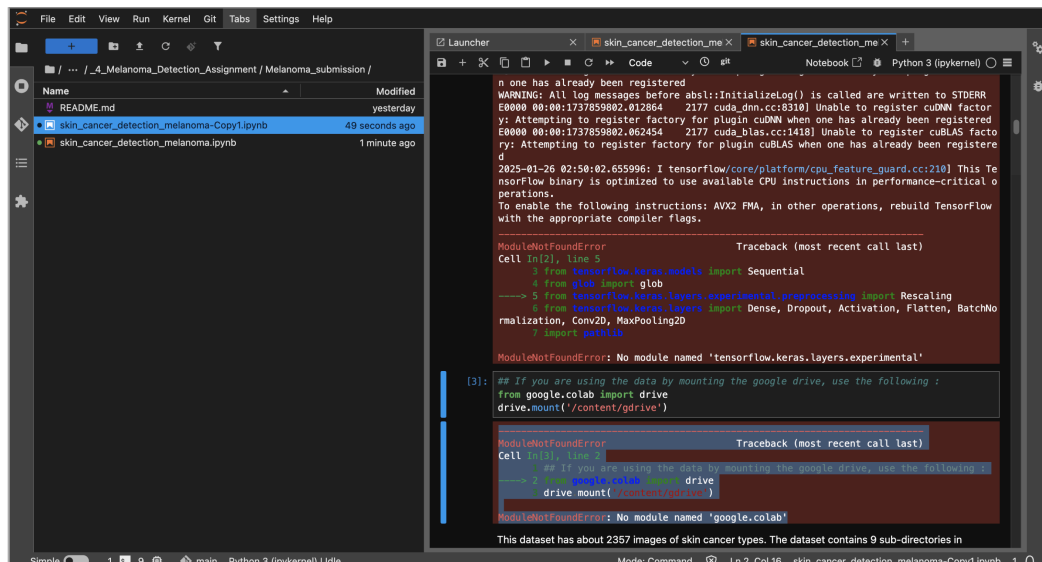
X_train = x_train.astype('float32')
X_test = x_test.astype('float32')

# Normalizing the input image
X_train /= 255
X_test /= 255

[ ]: # Training the model
history = model.fit(x_train, y_train,
                    batch_size=batch_size,
                    epochs=epochs,
                    validation_data=(x_test, y_test),
                    shuffle=True)

Epoch 1/50
2025-01-26 02:13:52.874731: W external/local_xla/xla/tsl/framework/cpu_allocator_im
pl.cc:83] Allocation of 61440000 exceeds 10% of free system memory.
1/1563 --- 2:45:34 6s/step - accuracy: 0.0000e+00 - loss: 11.42
89
2025-01-26 02:13:59.808520: W external/local_xla/xla/tsl/framework/cpu_allocator_im
pl.cc:83] Allocation of 27993600 exceeds 10% of free system memory.
2/1563 --- 10:43 413ms/step -
2025-01-26 02:14:00.248350: W external/local_xla/x
pl.cc:83] Allocation of 27993600 exceeds 10% of fr
3/1563 --- 11:13 432ms/step -
2025-01-26 02:14:00.734158: W external/local_xla/x
```

2. might need more memory / CPU / GPU (can run this folder in Colab)



```
File Edit View Run Kernel Git Tabs Settings Help

Name Modified
README.md yesterday
skin_cancer_detection_melanoma-Copy1.ipynb 49 seconds ago
skin_cancer_detection_melanoma.ipynb 1 minute ago

n one has already been registered
WARNING: All log messages before absl::InitializeLog() is called are written to STDERR
E0000 00:00:1737859802.012864 2177 cuda_dnn.cc:8310] Unable to register cuDNN factor
y: Attempting to register factory for plugin cuDNN when one has already been registered
E0000 00:00:1737859802.062454 2177 cuda_blas.cc:1418] Unable to register cuBLAS facto
ry: Attempting to register factory for plugin cuBLAS when one has already been registere
d
2025-01-26 02:50:02.655996: I tensorflow/core/platform/cpu_feature_guard.cc:210] This Te
nsorFlow binary is optimized to use available CPU instructions in performance-critical o
perations.
To enable the following instructions: AVX2 FMA, in other operations, rebuild TensorFlow
with the appropriate compiler flags.

ModuleNotFoundError: Traceback (most recent call last)
Cell In[2], line 5
      3 from tensorflow.keras.models import Sequential
      4 from glob import glob
----> 5 from tensorflow.keras.layers.experimental.preprocessing import Rescaling
      6 from tensorflow.keras.layers import Dense, Dropout, Activation, Flatten, BatchNo
rmalization, Conv2D, MaxPooling2D
      7 import pathlib

ModuleNotFoundError: No module named 'tensorflow.keras.layers.experimental'

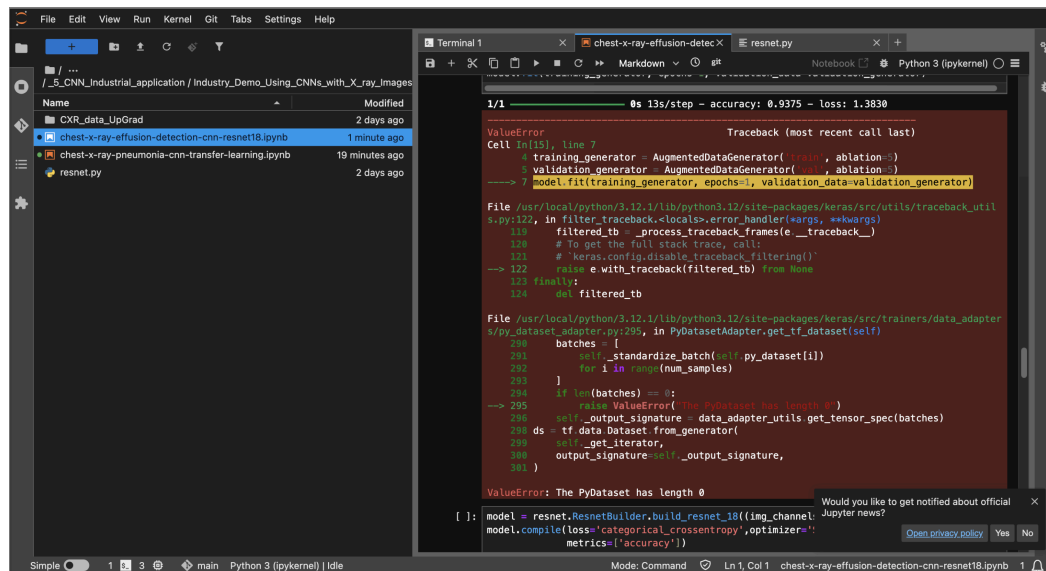
[3]: ## If you are using the data by mounting the google drive, use the following :
from google.colab import drive
drive.mount('/content/gdrive')

ModuleNotFoundError: Traceback (most recent call last)
Cell In[3], line 2
----> 2 from google.colab import drive
      drive.mount('/content/gdrive')

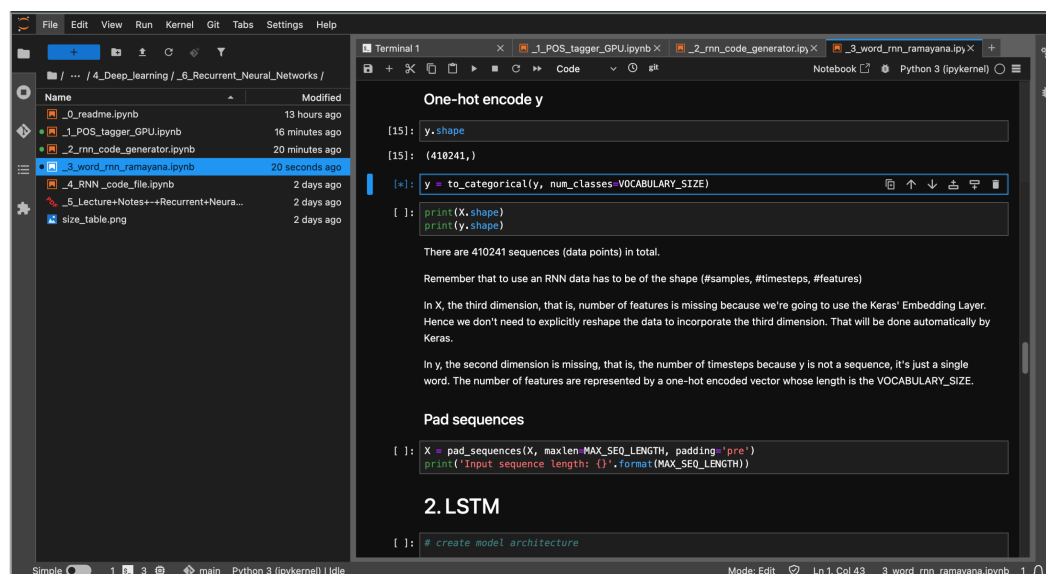
ModuleNotFoundError: No module named 'google.colab'

This dataset has about 2357 images of skin cancer types. The dataset contains 9 sub-directories in
```

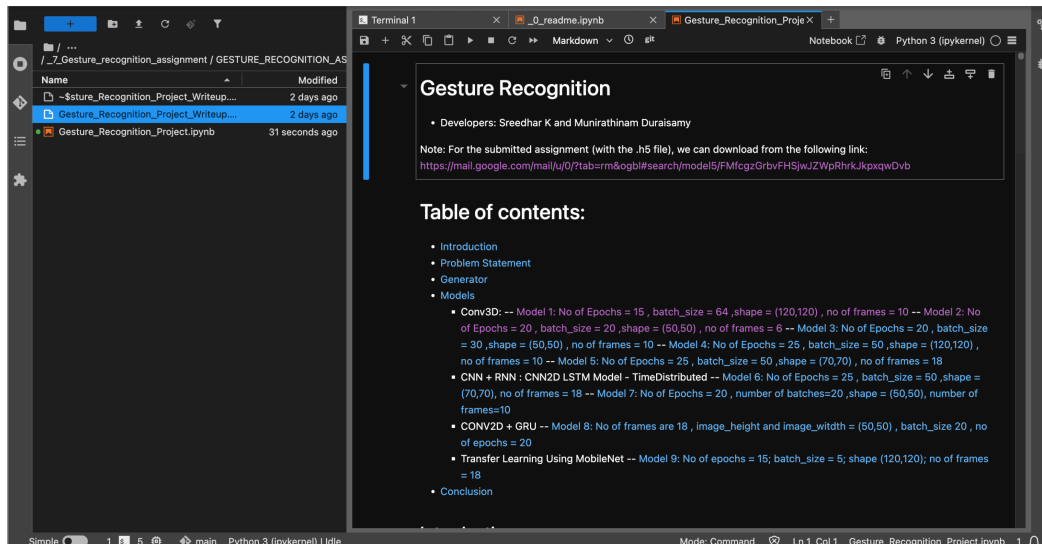
4. too many errors



8. Memory issue (MemoryError: Unable to allocate 54.0 GiB for an array with shape (410241, 17667) and data type float64)



9. Training and testing datasets not found

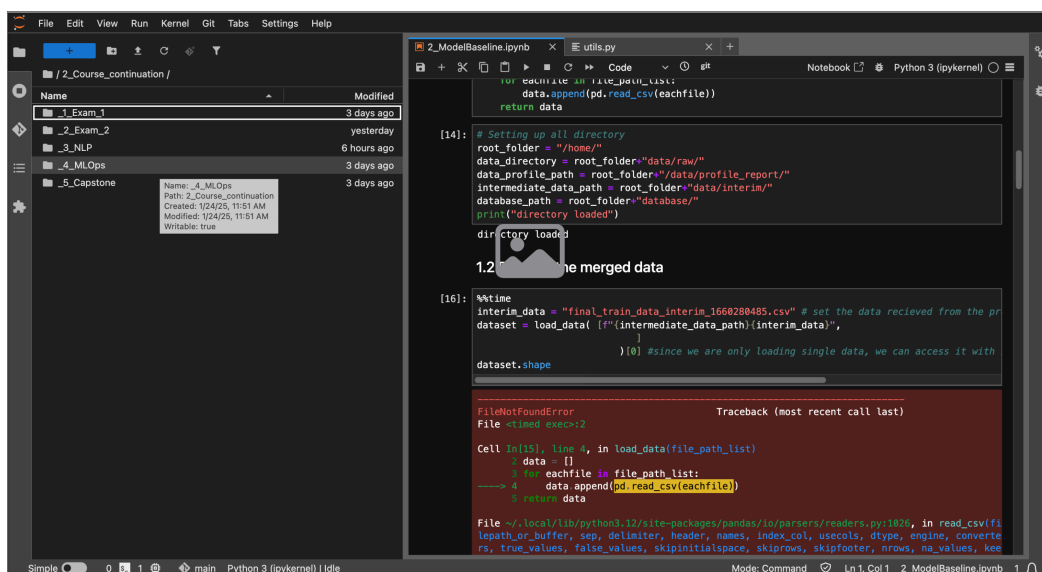


a

11.

1. Telecom Churn folder
2. **MLOps folder**
3. Individual files from above

4. MLOps (can be done only in Jarvis)



```
=====
==
=====
=====
==
```

git add . && git commit -m "C" && git push origin main