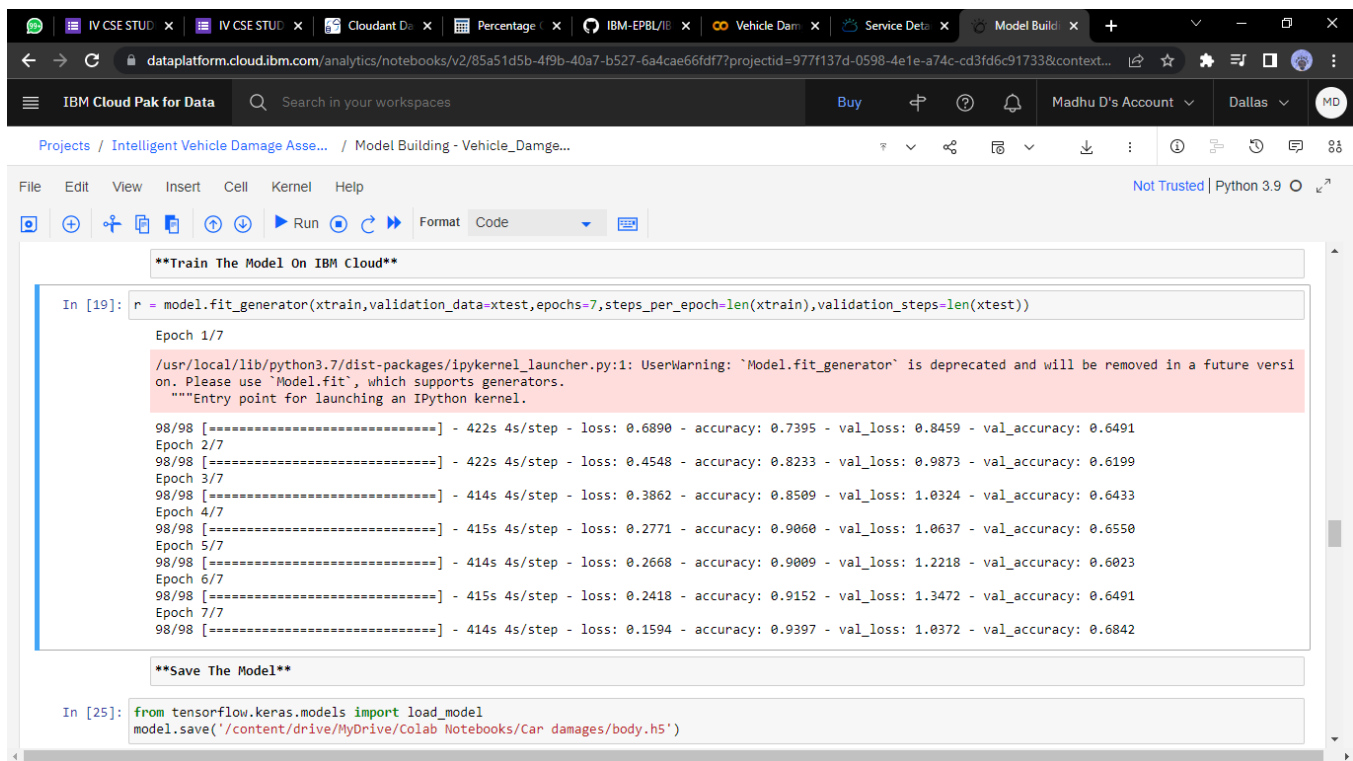


PROJECT DEVELOPMENT PHASE

SPRINT - 04

Team ID	PNT2022TMID33370
Project Name	Intelligent vehicle damage assessment & cost estimator for insurance companies.

Train Model On IBM



```
**Train The Model On IBM Cloud**

In [19]: r = model.fit_generator(xtrain,validation_data=xtest,epochs=7,steps_per_epoch=len(xtrain),validation_steps=len(xtest))

Epoch 1/7
/usr/local/lib/python3.7/dist-packages/ipykernel_launcher.py:1: UserWarning: 'Model.fit_generator' is deprecated and will be removed in a future version. Please use 'Model.fit', which supports generators.
  """Entry point for launching an IPython kernel.

98/98 [=====] - 422s 4s/step - loss: 0.6890 - accuracy: 0.7395 - val_loss: 0.8459 - val_accuracy: 0.6491
Epoch 2/7
98/98 [=====] - 422s 4s/step - loss: 0.4548 - accuracy: 0.8233 - val_loss: 0.9873 - val_accuracy: 0.6199
Epoch 3/7
98/98 [=====] - 414s 4s/step - loss: 0.3862 - accuracy: 0.8509 - val_loss: 1.0324 - val_accuracy: 0.6433
Epoch 4/7
98/98 [=====] - 415s 4s/step - loss: 0.2771 - accuracy: 0.9060 - val_loss: 1.0637 - val_accuracy: 0.6550
Epoch 5/7
98/98 [=====] - 414s 4s/step - loss: 0.2668 - accuracy: 0.9009 - val_loss: 1.2218 - val_accuracy: 0.6023
Epoch 6/7
98/98 [=====] - 415s 4s/step - loss: 0.2418 - accuracy: 0.9152 - val_loss: 1.3472 - val_accuracy: 0.6491
Epoch 7/7
98/98 [=====] - 414s 4s/step - loss: 0.1594 - accuracy: 0.9397 - val_loss: 1.0372 - val_accuracy: 0.6842

**Save The Model**

In [25]: from tensorflow.keras.models import load_model
model.save('/content/drive/MyDrive/Colab Notebooks/Car damages/body.h5')
```