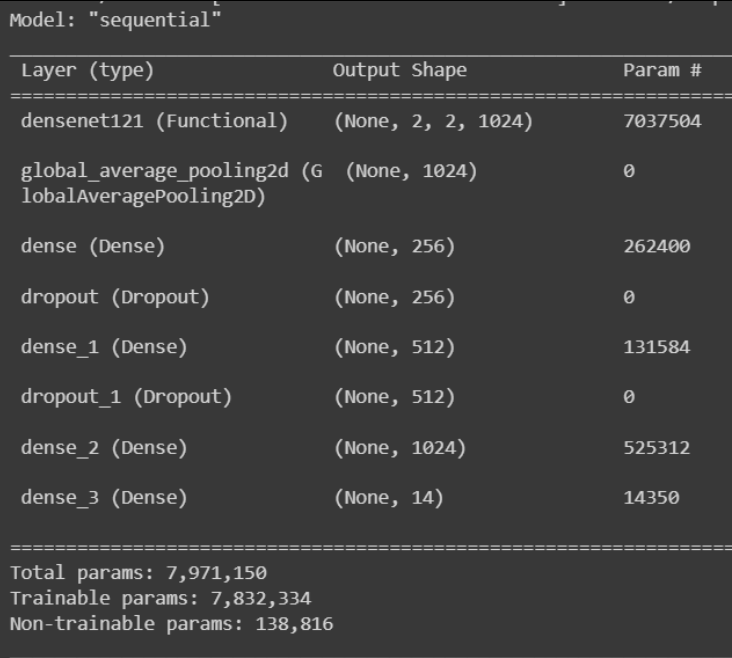


Project Development Phase
Model Performance Test

| | |
|--------------|---|
| Date | 13 May 2023 |
| Team ID | NM2023TMID18455 |
| Project Name | CrimeVision: Advanced Crime Classification with Deep Learning |

Model Performance Testing:

Project team shall fill the following information in the model performance testing template.

| Parameter | Values | Screenshot |
|---------------|--|---|
| Model Summary | <p>Total params: 7,971,150</p> <p>Trainable params: 7,832,334</p> <p>Non-trainable params: 138,816</p> |  |

| | | |
|----------|---|--|
| Accuracy | <p>Epoch 1:</p> <p>Training accuracy: 0.9741</p> <p>Validation accuracy: 0.9640</p> <p>Epoch 2:</p> <p>Training accuracy: 0.9931</p> <p>Validation accuracy: 0.9874</p> <p>Epoch 3:</p> <p>Training accuracy: 0.9951</p> <p>Validation accuracy: 0.9962</p> <p>Epoch 4:</p> <p>Training accuracy: 0.9961</p> <p>Validation accuracy: 0.9968</p> <p>Epoch 5:</p> <p>Training accuracy: 0.9964</p> <p>Validation accuracy: 0.9977</p> | <pre> history = model.fit(x=train_set,validation_data=val_set, epochs=EPOCHS) Epoch 1/5 7915/7915 [=====] - 1729s 207ms/step - loss: 0.0970 - accuracy: 0.9741 - val_loss: 0.1867 - val_accuracy: 0.9640 Epoch 2/5 7915/7915 [=====] - 1625s 205ms/step - loss: 0.0279 - accuracy: 0.9931 - val_loss: 0.0464 - val_accuracy: 0.9874 Epoch 3/5 7915/7915 [=====] - 1627s 205ms/step - loss: 0.0202 - accuracy: 0.9951 - val_loss: 0.0158 - val_accuracy: 0.9962 Epoch 4/5 7915/7915 [=====] - 1594s 201ms/step - loss: 0.0161 - accuracy: 0.9961 - val_loss: 0.0119 - val_accuracy: 0.9968 Epoch 5/5 7915/7915 [=====] - 1593s 201ms/step - loss: 0.0151 - accuracy: 0.9964 - val_loss: 0.0084 - val_accuracy: 0.9977 </pre> |
|----------|---|--|