

REGISTRO PRUEBAS

Prueba 1

IMAGE_SIZE = 220

BATCH_SIZE = 20

LEARNING_RATE = 0.001

MOMENTUM = 0.9

NUM_EPOCH = 100

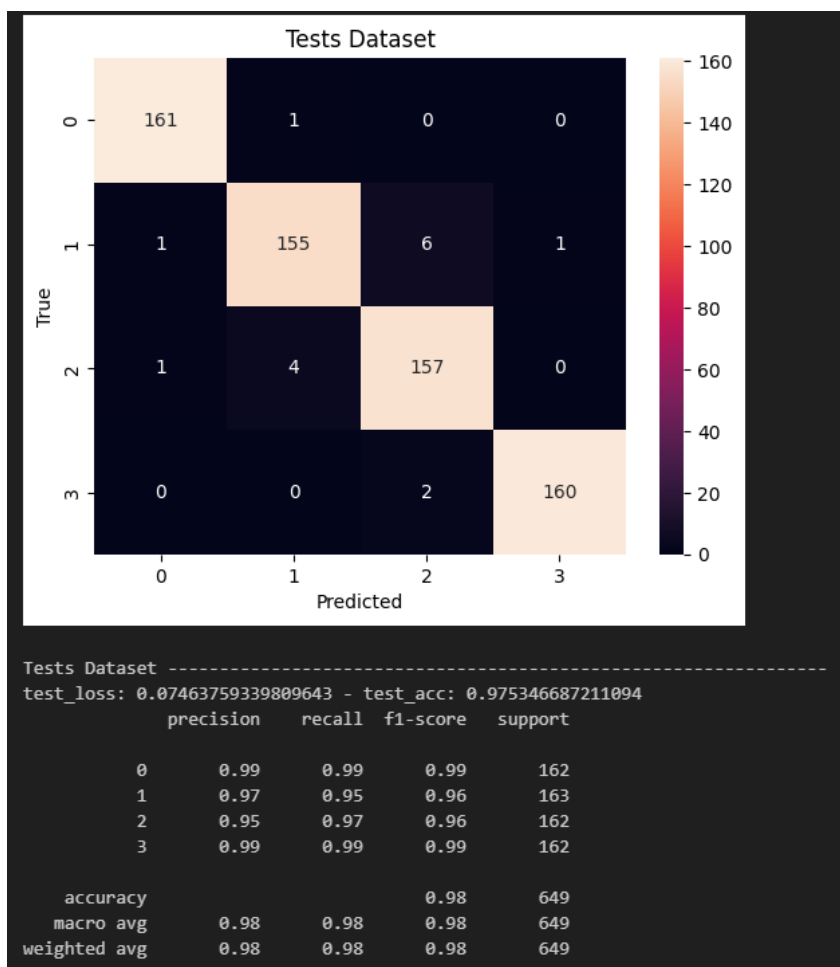
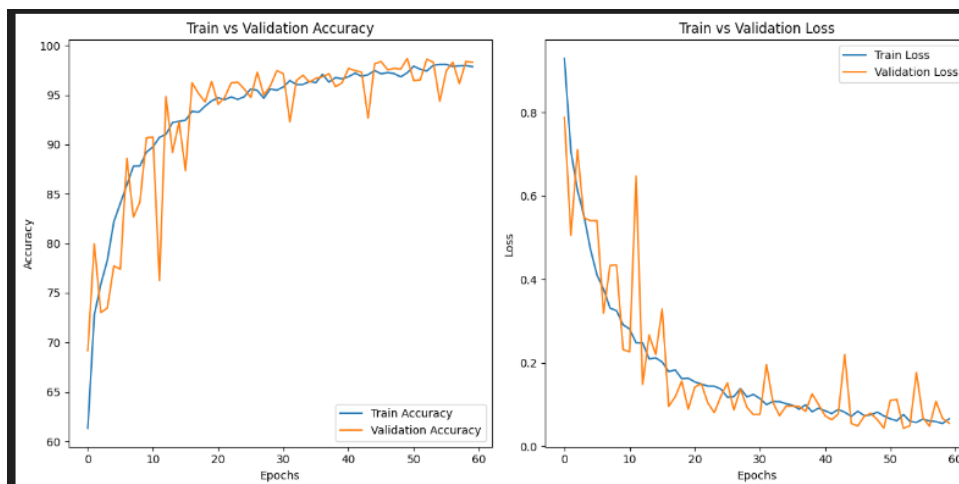
EARLY_PATIENCE = 10

SCHEDULER_PATIENCE = 6

DROPOUT1=0.5

DROPOUT2=0.5

Train Dataset -----					
train_loss: 0.029577956253627833 - train_acc: 0.990524460114588					
	precision	recall	f1-score	support	
0	1.00	1.00	1.00	1134	
1	0.99	0.99	0.99	1134	
2	0.98	0.98	0.98	1135	
3	1.00	0.99	0.99	1135	
accuracy			0.99	4538	
macro avg	0.99	0.99	0.99	4538	
weighted avg	0.99	0.99	0.99	4538	
Val Dataset -----					
val_loss: 0.055906867548429336 - val_acc: 0.9830377794911334					
	precision	recall	f1-score	support	
0	0.99	0.99	0.99	325	
1	0.98	0.98	0.98	324	
2	0.97	0.97	0.97	324	
3	0.99	0.99	0.99	324	
accuracy			0.98	1297	
macro avg	0.98	0.98	0.98	1297	
weighted avg	0.98	0.98	0.98	1297	



Prueba 2

IMAGE_SIZE = 220

BATCH_SIZE = 20

LEARNING_RATE = 0.001

MOMENTUM = 0.9

NUM_EPOCH = 100

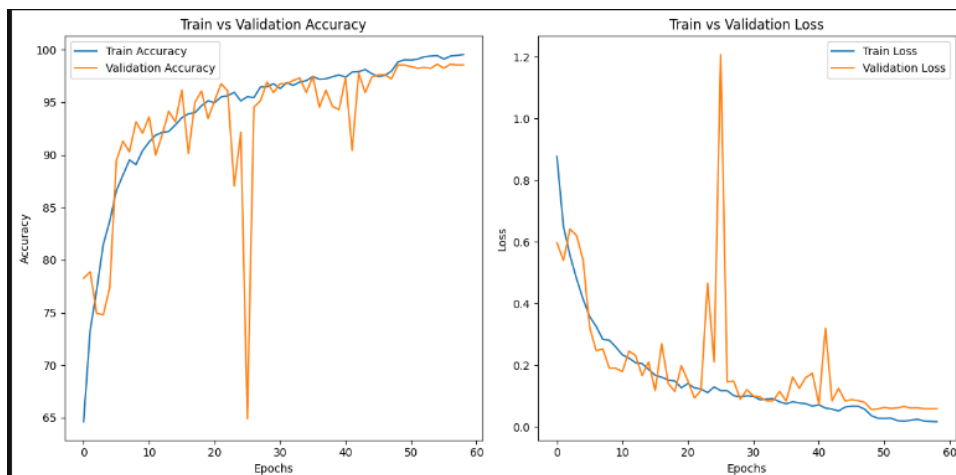
EARLY_PATIENCE = 10

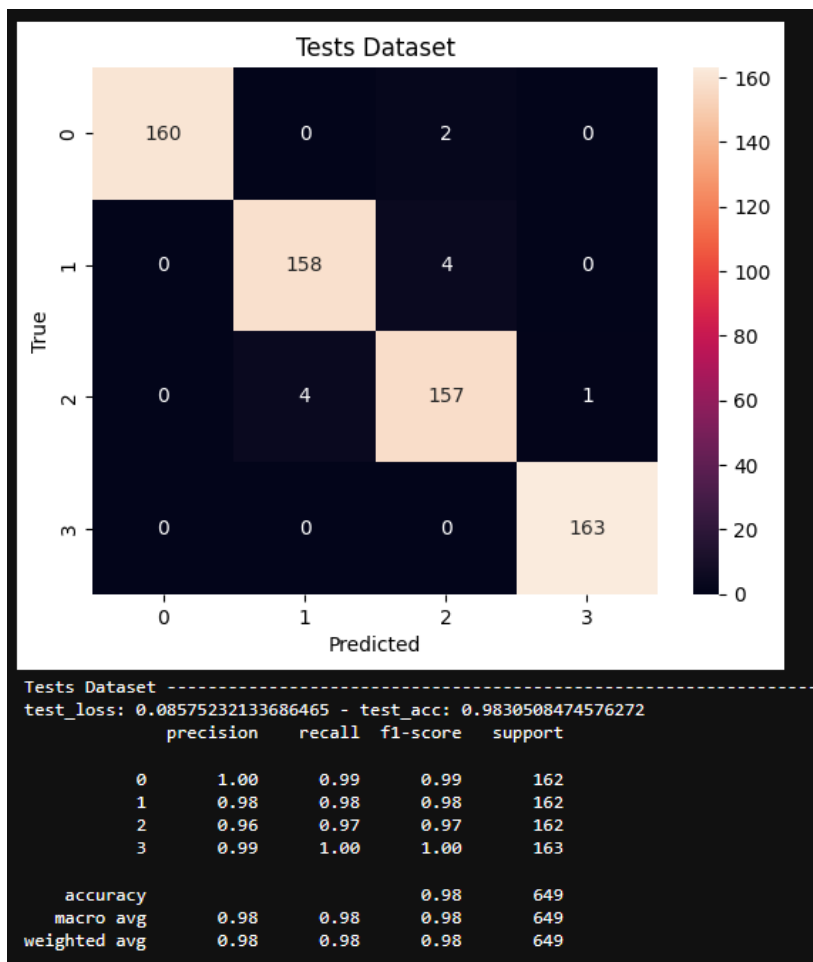
SCHEDULER_PATIENCE = 6

DROPOUT1=0.25

DROPOUT2=0.25

Train Dataset -----				
train_loss: 0.011917975219505089 - train_acc: 0.99669457910974				
	precision	recall	f1-score	support
0	1.00	1.00	1.00	1135
1	1.00	0.99	0.99	1134
2	0.99	1.00	0.99	1135
3	1.00	1.00	1.00	1134
accuracy			1.00	4538
macro avg	1.00	1.00	1.00	4538
weighted avg	1.00	1.00	1.00	4538
Val Dataset -----				
val_loss: 0.059043334251327906 - val_acc: 0.9853508095605242				
	precision	recall	f1-score	support
0	1.00	0.99	0.99	324
1	0.99	0.98	0.98	325
2	0.97	0.98	0.97	324
3	0.99	0.99	0.99	324
accuracy			0.99	1297
macro avg	0.99	0.99	0.99	1297
weighted avg	0.99	0.99	0.99	1297





Prueba 3

IMAGE_SIZE = 220

BATCH_SIZE = 64

LEARNING_RATE = 0.001

MOMENTUM = 0.9

NUM_EPOCH = 100

EARLY_PATIENCE = 10

SCHEDULER_PATIENCE = 6

DROPOUT1=0.25

DROPOUT2=0.25

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Train Dataset -----
train_loss: 0.02016142770339748 - train_acc: 0.9955927721463199
      precision    recall  f1-score   support

     0         1.00      1.00      1.00      1135
     1         1.00      0.99      1.00      1134
     2         0.99      0.99      0.99      1134
     3         1.00      1.00      1.00      1135

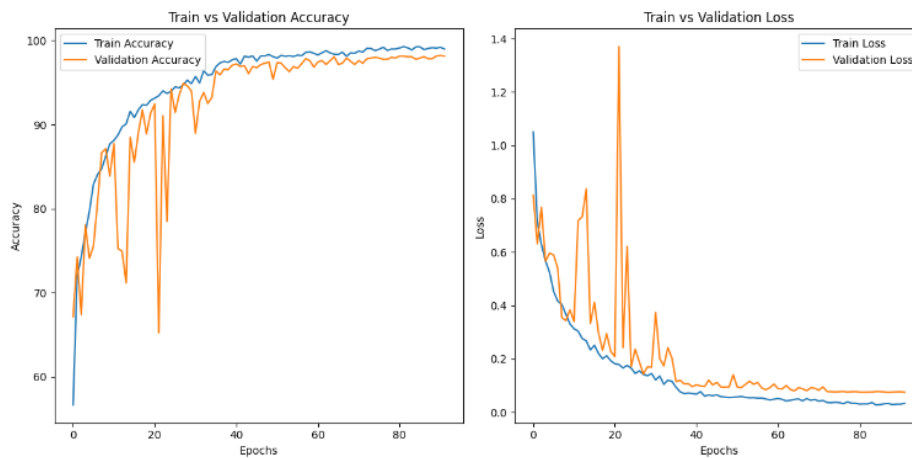
 accuracy
macro avg      1.00      1.00      1.00      4538
weighted avg    1.00      1.00      1.00      4538

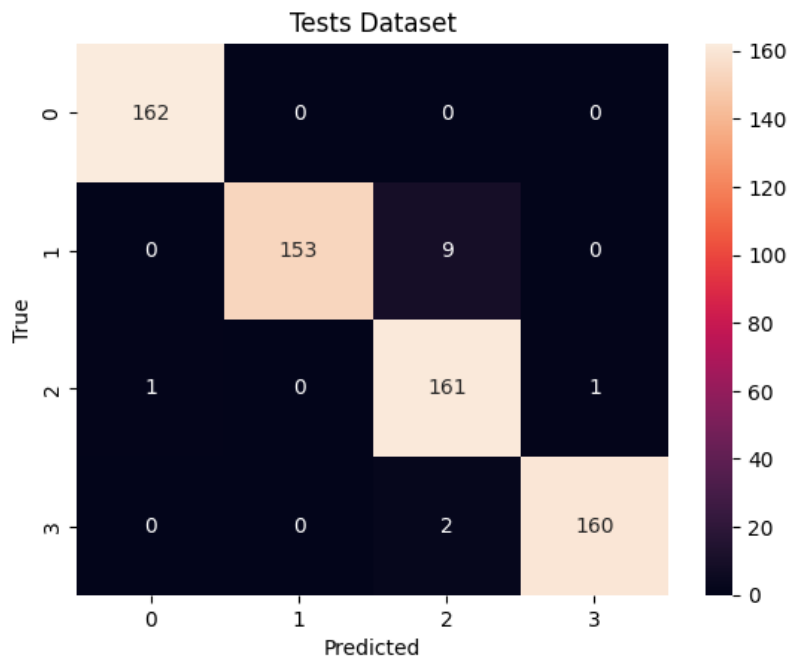
Val Dataset -----
val_loss: 0.0749304689899353 - val_acc: 0.9814957594448728
      precision    recall  f1-score   support

     0         0.98      0.99      0.98       324
     1         0.99      0.98      0.98       325
     2         0.97      0.97      0.97       324
     3         0.99      0.99      0.99       324

 accuracy
macro avg      0.98      0.98      0.98      1297
weighted avg    0.98      0.98      0.98      1297

```





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Tests Dataset -----
test_loss: 0.05154794979501854 - test_acc: 0.9799691833590138
      precision    recall  f1-score   support

     0       0.99      1.00      1.00      162
     1       1.00      0.94      0.97      162
     2       0.94      0.99      0.96      163
     3       0.99      0.99      0.99      162

 accuracy          0.98          649
 macro avg         0.98          0.98          649
 weighted avg      0.98          0.98          649

```

Prueba 4

IMAGE_SIZE = 220

BATCH_SIZE = 32

LEARNING_RATE = 0.005

MOMENTUM = 0.9

NUM_EPOCH = 100

EARLY_PATIENCE = 10

SCHEDULER_PATIENCE = 6

DROPOUT1=0.25

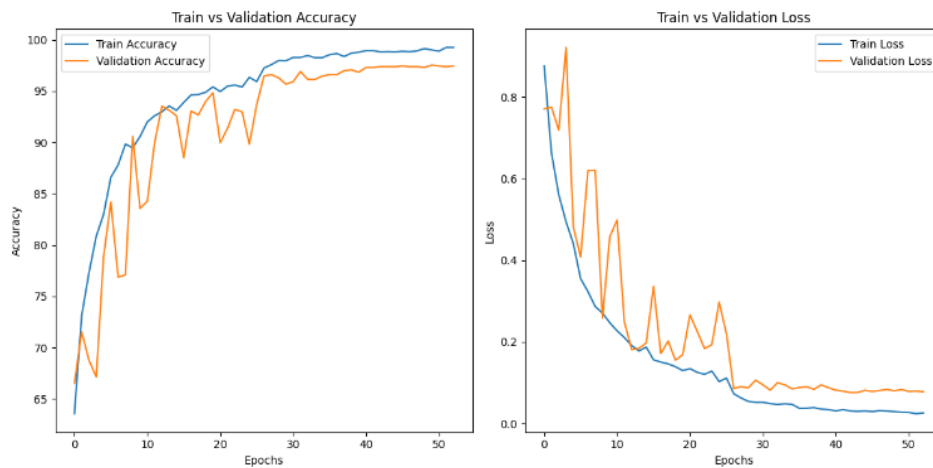
DROPOUT2=0.25

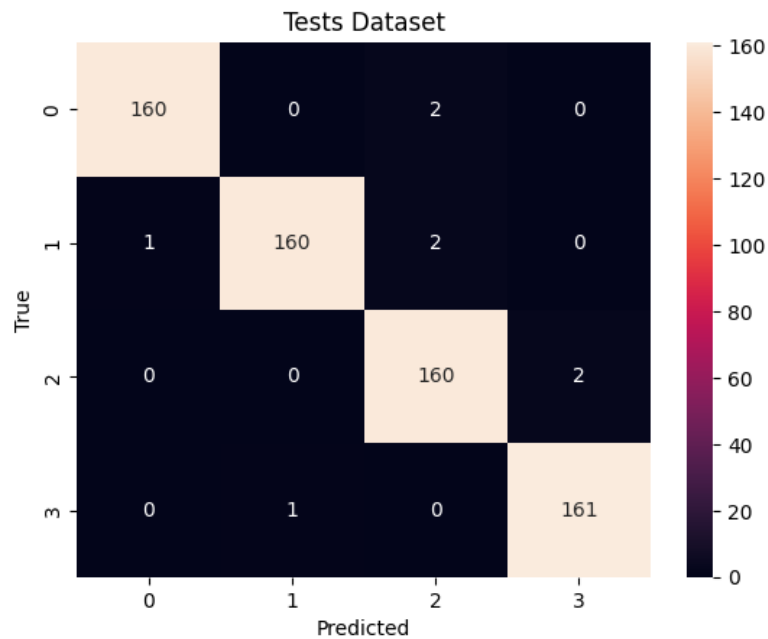
Train Dataset -----
train_loss: 0.01544859386000215 - train_acc: 0.9958131335390039

	precision	recall	f1-score	support
0	1.00	1.00	1.00	1135
1	1.00	1.00	1.00	1134
2	0.99	0.99	0.99	1135
3	1.00	1.00	1.00	1134
accuracy			1.00	4538
macro avg	1.00	1.00	1.00	4538
weighted avg	1.00	1.00	1.00	4538

Val Dataset -----
val_loss: 0.0783262582362357 - val_acc: 0.9745566692367

	precision	recall	f1-score	support
0	1.00	0.98	0.99	324
1	0.96	0.97	0.97	324
2	0.96	0.96	0.96	324
3	0.98	0.99	0.99	325
accuracy			0.97	1297
macro avg	0.97	0.97	0.97	1297
weighted avg	0.97	0.97	0.97	1297





Tests Dataset -----

test_loss: 0.06291476419955004 - test_acc: 0.987673343605547

	precision	recall	f1-score	support
0	0.99	0.99	0.99	162
1	0.99	0.98	0.99	163
2	0.98	0.99	0.98	162
3	0.99	0.99	0.99	162
accuracy			0.99	649
macro avg	0.99	0.99	0.99	649
weighted avg	0.99	0.99	0.99	649

Prueba 5

IMAGE_SIZE = 220

BATCH_SIZE = 32

LEARNING_RATE = 0.01

MOMENTUM = 0.9

NUM_EPOCH = 100

EARLY_PATIENCE = 10

SCHEDULER_PATIENCE = 6

DROPOUT1=0.25

DROPOUT2=0.25


```

Train Dataset -----
train_loss: 0.015638088960361233 - train_acc: 0.9944909651828999
      precision    recall  f1-score   support

     0       1.00      1.00      1.00     1135
     1       1.00      0.99      0.99     1134
     2       0.99      0.99      0.99     1134
     3       1.00      0.99      1.00     1135

 accuracy          0.99      4538
 macro avg         0.99      0.99      0.99      4538
 weighted avg      0.99      0.99      0.99      4538

```

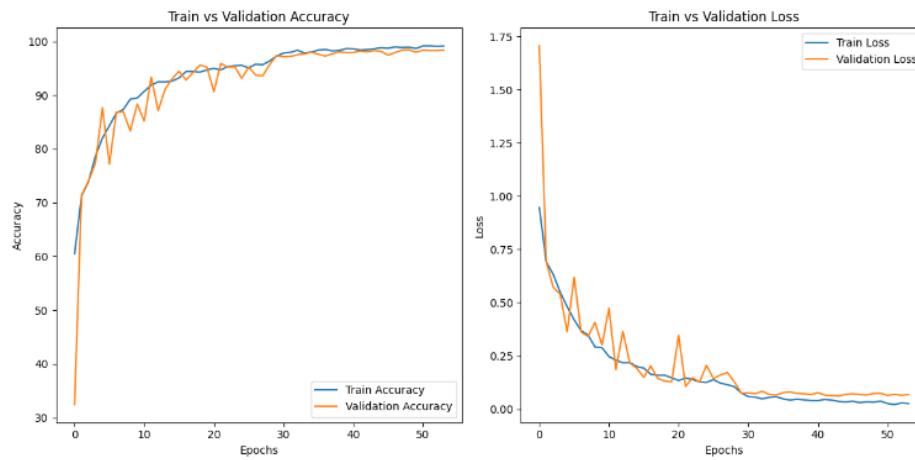
```

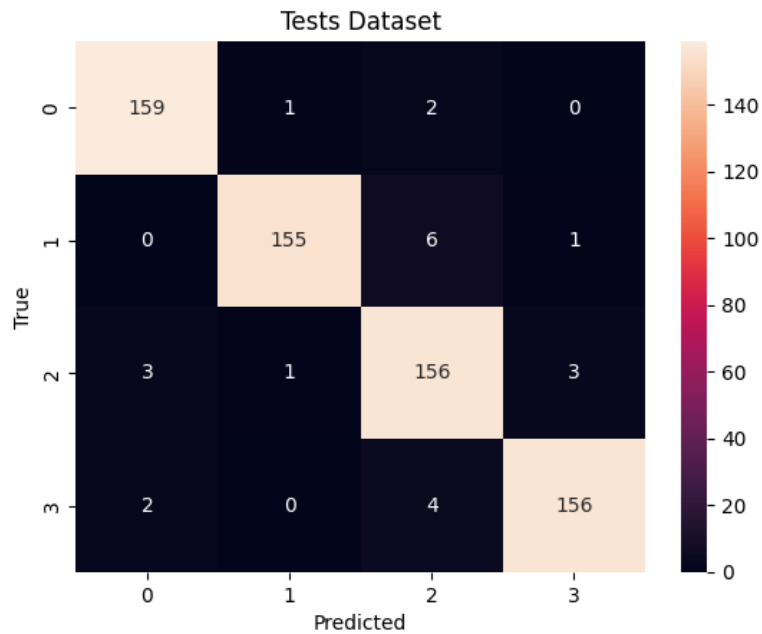
Val Dataset -----
val_loss: 0.06802613960604592 - val_acc: 0.9838087895142636
      precision    recall  f1-score   support

     0       0.99      1.00      1.00      324
     1       1.00      0.97      0.98      325
     2       0.97      0.98      0.97      324
     3       0.98      0.98      0.98      324

 accuracy          0.98      1297
 macro avg         0.98      0.98      0.98      1297
 weighted avg      0.98      0.98      0.98      1297

```





Tests Dataset -----

test_loss: 0.1336777573007913 - test_acc: 0.9645608628659477

	precision	recall	f1-score	support
0	0.97	0.98	0.98	162
1	0.99	0.96	0.97	162
2	0.93	0.96	0.94	163
3	0.97	0.96	0.97	162
accuracy			0.96	649
macro avg	0.97	0.96	0.96	649
weighted avg	0.97	0.96	0.96	649

Prueba 6

IMAGE_SIZE = 220

BATCH_SIZE = 32

LEARNING_RATE = 0.1

MOMENTUM = 0.9

NUM_EPOCH = 100

EARLY_PATIENCE = 10

SCHEDULER_PATIENCE = 6

DROPOUT1=0.25

DROPOUT2=0.25

```

Train Dataset -----
train_loss: nan - train_acc: 0.250110180696342
      precision    recall  f1-score   support

     0         0.25         1.00         0.40         1135
     1         0.00         0.00         0.00         1134
     2         0.00         0.00         0.00         1134
     3         0.00         0.00         0.00         1135

 accuracy          0.25          4538
 macro avg          0.06          4538
 weighted avg       0.06          4538

Val Dataset -----
val_loss: nan - val_acc: 0.24980724749421743
      precision    recall  f1-score   support

     0         0.25         1.00         0.40          324
     1         0.00         0.00         0.00          324
     2         0.00         0.00         0.00          325
     3         0.00         0.00         0.00          324

 accuracy          0.25          1297
 macro avg          0.06          1297
 weighted avg       0.06          1297

```



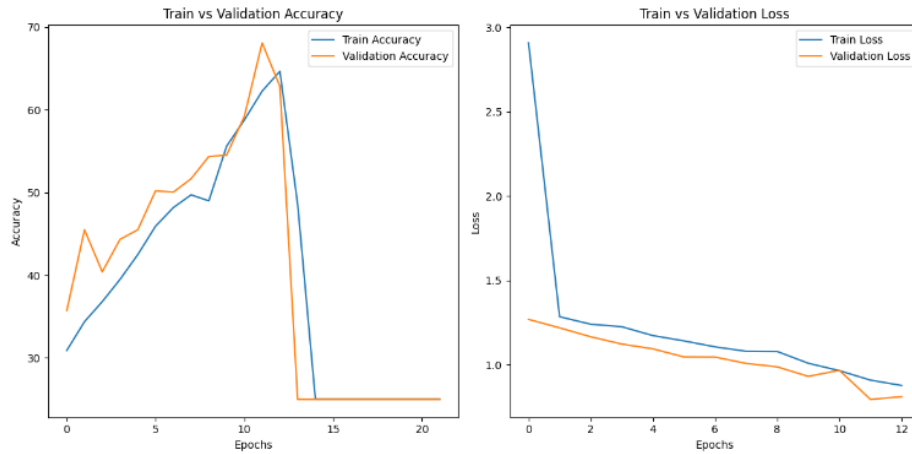
```

Tests Dataset -----
test_loss: nan - test_acc: 0.24961479198767333
      precision    recall  f1-score   support

     0         0.25         1.00         0.40         162
     1         0.00         0.00         0.00         163
     2         0.00         0.00         0.00         162
     3         0.00         0.00         0.00         162

 accuracy          0.25          649
 macro avg          0.06          649
 weighted avg       0.06          649

```



Prueba 7

IMAGE_SIZE = 220

BATCH_SIZE = 32

LEARNING_RATE = 0.05

MOMENTUM = 0.9

NUM_EPOCH = 100

EARLY_PATIENCE = 10

SCHEDULER_PATIENCE = 6

DROPOUT1=0.25

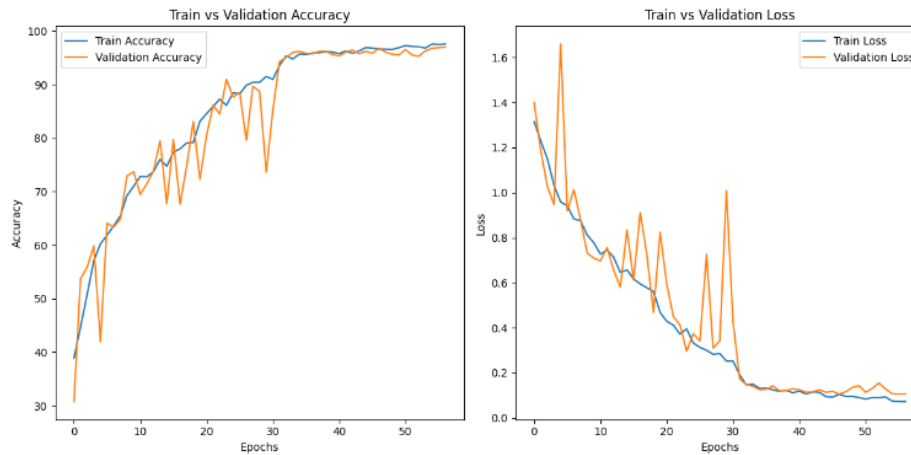
DROPOUT2=0.25

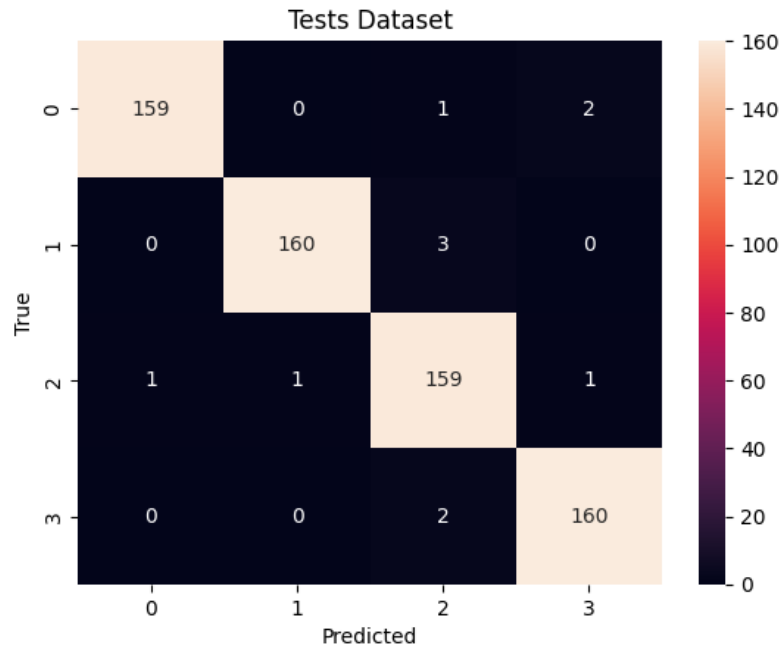
Train Dataset -----
train_loss: 0.04702907108249221 - train_acc: 0.9839136183340679
precision recall f1-score support

0	0.99	0.99	0.99	1135
1	0.98	0.99	0.98	1134
2	0.98	0.97	0.97	1134
3	0.99	0.99	0.99	1135
accuracy			0.98	4538
macro avg	0.98	0.98	0.98	4538
weighted avg	0.98	0.98	0.98	4538

Val Dataset -----
val_loss: 0.106960127124472 - val_acc: 0.9699306090979183
precision recall f1-score support

0	0.99	0.98	0.99	324
1	0.95	0.96	0.95	324
2	0.94	0.95	0.95	325
3	0.99	0.99	0.99	324
accuracy			0.97	1297
macro avg	0.97	0.97	0.97	1297
weighted avg	0.97	0.97	0.97	1297





```

Tests Dataset -----
test_loss: 0.06514879803927172 - test_acc: 0.9830508474576272
      precision    recall  f1-score   support

     0       0.99      0.98      0.99       162
     1       0.99      0.98      0.99       163
     2       0.96      0.98      0.97       162
     3       0.98      0.99      0.98       162

 accuracy          0.98
 macro avg         0.98      0.98      0.98
 weighted avg      0.98      0.98      0.98
  
```

Prueba 8

IMAGE_SIZE = 220

BATCH_SIZE = 64

LEARNING_RATE = 0.005

MOMENTUM = 0.9

NUM_EPOCH = 100

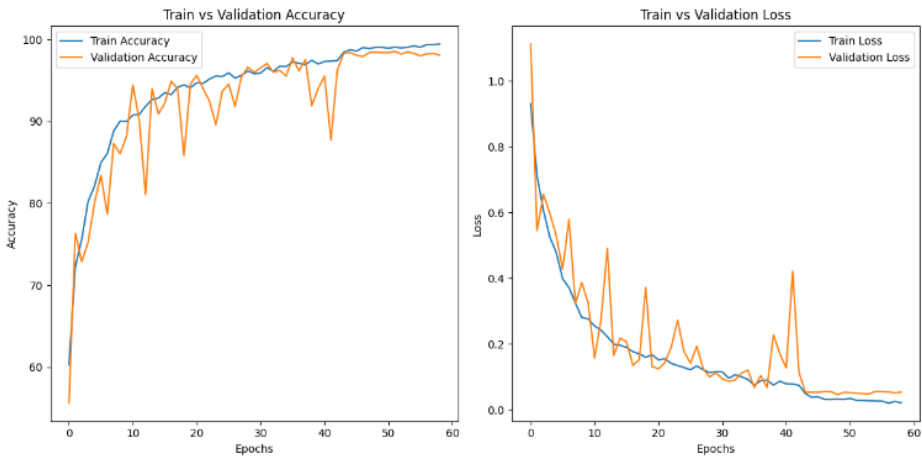
EARLY_PATIENCE = 10

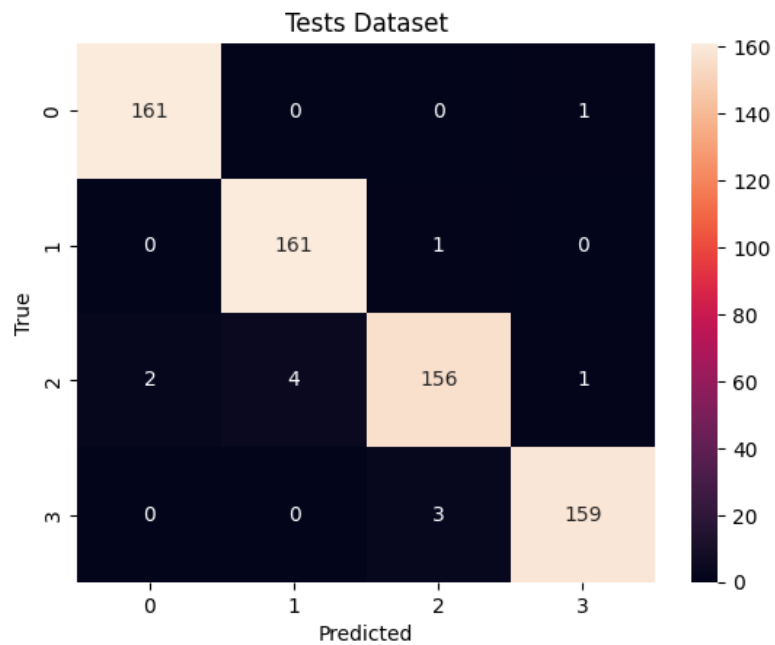
SCHEDULER_PATIENCE = 6

DROPOUT1=0.5

DROPOUT2=0.25

Train Dataset -----					
train_loss: 0.01326808729434458 - train_acc: 0.996033494931688					
	precision	recall	f1-score	support	
0	1.00	1.00	1.00	1135	
1	1.00	1.00	1.00	1135	
2	0.99	0.99	0.99	1134	
3	0.99	0.99	0.99	1134	
accuracy			1.00	4538	
macro avg	1.00	1.00	1.00	4538	
weighted avg	1.00	1.00	1.00	4538	
Val Dataset -----					
val_loss: 0.053675194836658904 - val_acc: 0.9807247494217425					
	precision	recall	f1-score	support	
0	1.00	0.99	1.00	324	
1	0.97	0.99	0.98	324	
2	0.97	0.96	0.97	324	
3	0.99	0.98	0.98	325	
accuracy			0.98	1297	
macro avg	0.98	0.98	0.98	1297	
weighted avg	0.98	0.98	0.98	1297	





```

Tests Dataset -----
test_loss: 0.06434736394190363 - test_acc: 0.9815100154083205
      precision    recall  f1-score   support

     0       0.99      0.99      0.99        162
     1       0.98      0.99      0.98        162
     2       0.97      0.96      0.97        163
     3       0.99      0.98      0.98        162

 accuracy          0.98          0.98          0.98          649
 macro avg          0.98          0.98          0.98          649
 weighted avg          0.98          0.98          0.98          649

```

Prueba 9

IMAGE_SIZE = 220

BATCH_SIZE = 32

LEARNING_RATE = 0.001

MOMENTUM = 0.9

NUM_EPOCH = 100

EARLY_PATIENCE = 10

SCHEDULER_PATIENCE = 6

DROPOUT1=0.25

DROPOUT2=0.75


```

epochs                                     epochs
Train Dataset -----
train_loss: 0.015840423287467993 - train_acc: 0.99669457910974
      precision    recall  f1-score   support

         0         1.00      1.00      1.00      1135
         1         1.00      1.00      1.00      1134
         2         0.99      0.99      0.99      1134
         3         1.00      1.00      1.00      1135

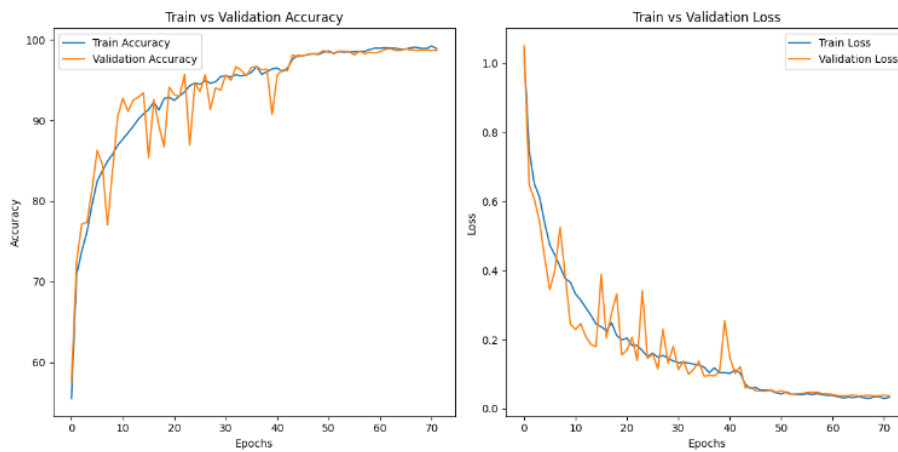
 accuracy
macro avg      1.00      1.00      1.00      4538
weighted avg    1.00      1.00      1.00      4538

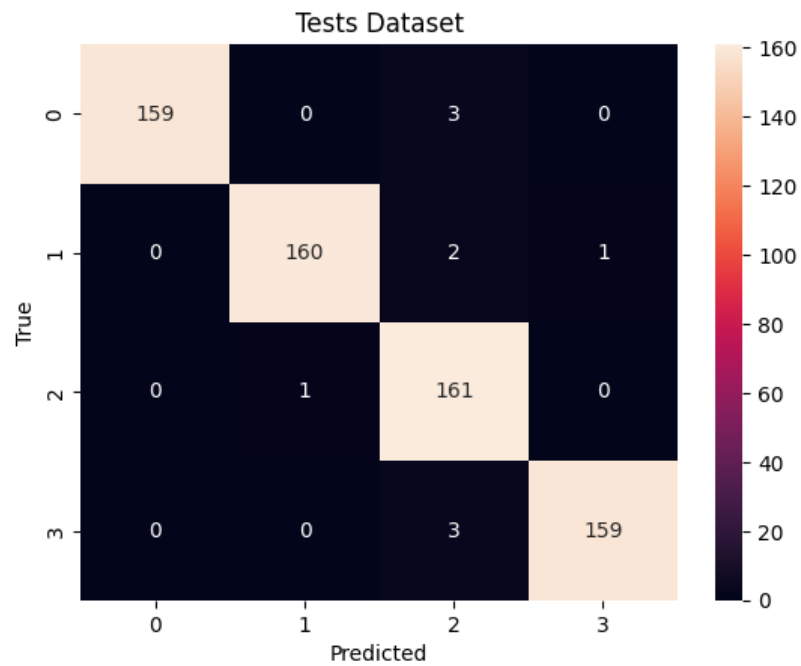
Val Dataset -----
val_loss: 0.037582517275018844 - val_acc: 0.9868928296067849
      precision    recall  f1-score   support

         0         1.00      1.00      1.00       324
         1         0.98      0.98      0.98       324
         2         0.98      0.98      0.98       325
         3         0.98      1.00      0.99       324

 accuracy
macro avg      0.99      0.99      0.99      1297
weighted avg    0.99      0.99      0.99      1297

```





Tests Dataset -----

test_loss: 0.07336527015043733 - test_acc: 0.9845916795069337

	precision	recall	f1-score	support
0	1.00	0.98	0.99	162
1	0.99	0.98	0.99	163
2	0.95	0.99	0.97	162
3	0.99	0.98	0.99	162
accuracy			0.98	649
macro avg	0.99	0.98	0.98	649
weighted avg	0.99	0.98	0.98	649