

Configuration 1

Optimizer: adam
Batch Size: 250
Activation Function: relu
Hidden Units: 500
Dropout: 0
Epochs: 29

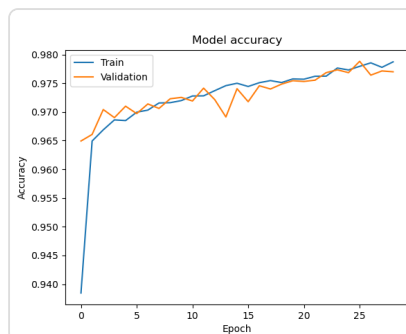
Results

Training Accuracy:
0.9787285923957825

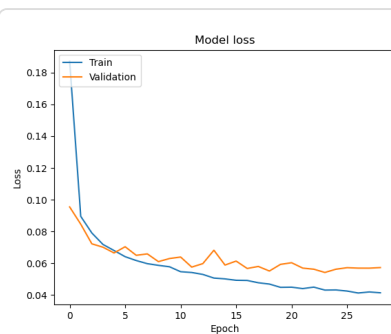
Validation Accuracy:
0.9769986271858215

Test Accuracy:
0.9784817695617676

Accuracy Plot



Loss Plot



Configuration 2

Optimizer: sgd
Batch Size: 250
Activation Function: relu
Hidden Units: 500
Dropout: 0
Epochs: 179

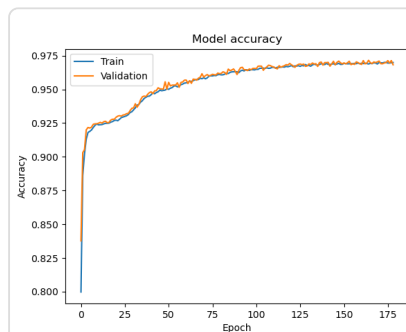
Results

Training Accuracy:
0.969932496547699

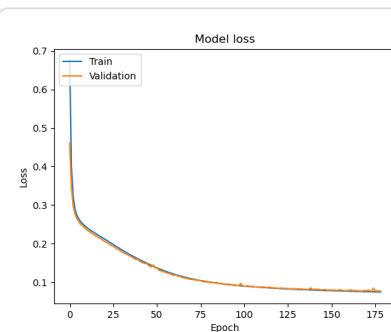
Validation Accuracy:
0.9682512879371643

Test Accuracy:
0.9690752029418945

Accuracy Plot



Loss Plot



Configuration 3

Optimizer: rmsprop
Batch Size: 250
Activation Function: relu
Hidden Units: 500
Dropout: 0
Epochs: 11

Accuracy Plot

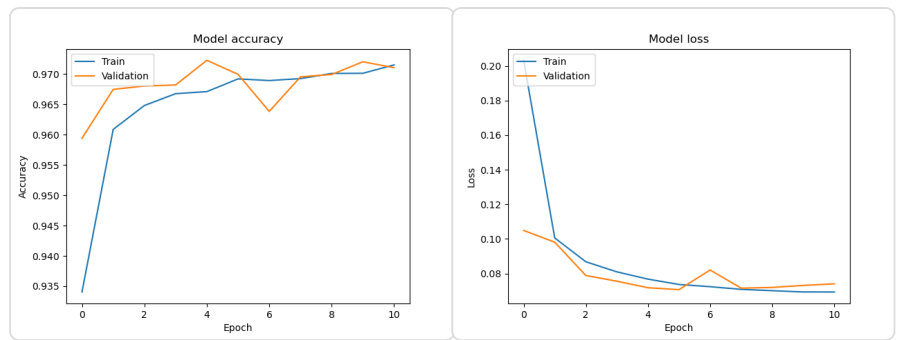
Loss Plot

Results

Training Accuracy:
0.9715163111686707

Validation Accuracy:
0.9710533618927002

Test Accuracy:
0.9703180193901062



Configuration 4

Optimizer: adagrad
Batch Size: 250
Activation Function: relu
Hidden Units: 500
Dropout: 0
Epochs: 6981

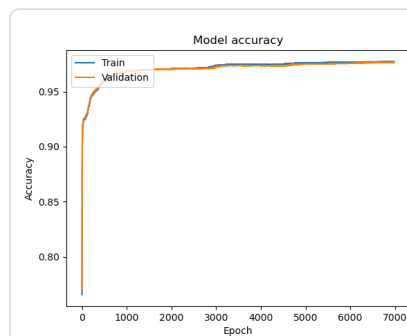
Results

Training Accuracy:
0.9767549633979797

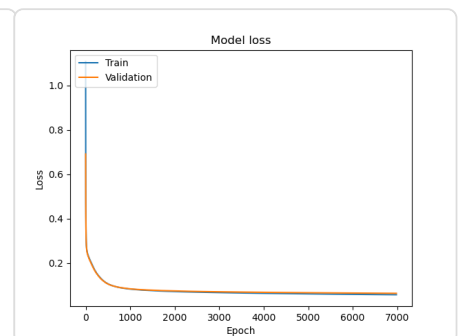
Validation Accuracy:
0.9766818284988403

Test Accuracy:
0.9779213070869446

Accuracy Plot



Loss Plot



Configuration 5

Optimizer: adam
Batch Size: 50
Activation Function: relu
Hidden Units: 500
Dropout: 0
Epochs: 15

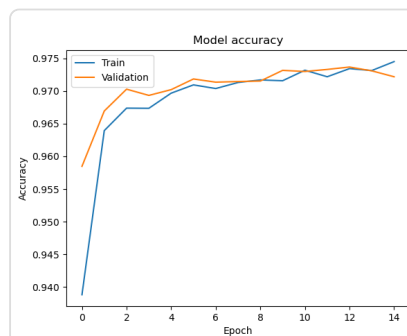
Results

Training Accuracy:
0.9744889140129089

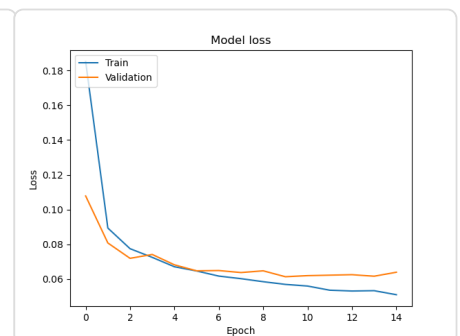
Validation Accuracy:
0.9721741676330566

Test Accuracy:
0.9729743003845215

Accuracy Plot



Loss Plot



Configuration 6

Optimizer: adam
Batch Size: 100
Activation Function: relu
Hidden Units: 500
Dropout: 0
Epochs: 26

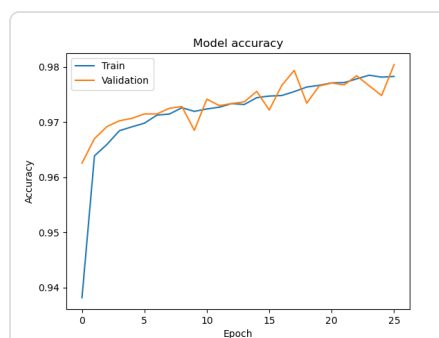
Results

Training Accuracy:
0.9782900214195251

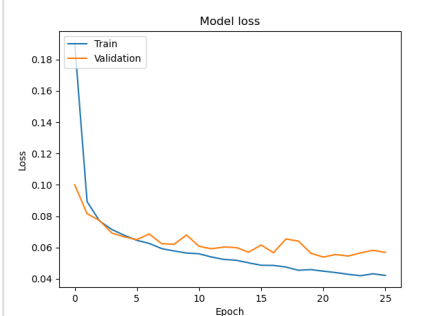
Validation Accuracy:
0.9804341793060303

Test Accuracy:
0.9781893491744995

Accuracy Plot



Loss Plot



Configuration 7

Optimizer: adam
Batch Size: 1000
Activation Function: relu
Hidden Units: 500
Dropout: 0
Epochs: 24

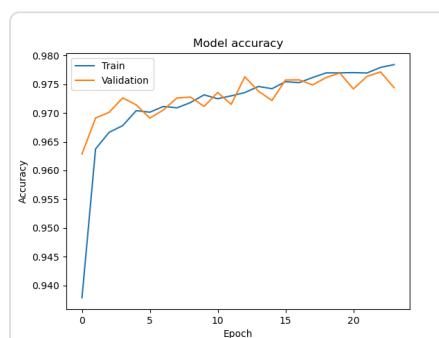
Results

Training Accuracy:
0.9784361720085144

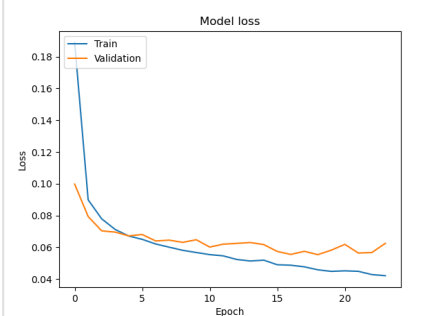
Validation Accuracy:
0.9744158387184143

Test Accuracy:
0.9775801301002502

Accuracy Plot



Loss Plot



Configuration 8

Optimizer: adam
Batch Size: 2000
Activation Function: relu
Hidden Units: 500

Accuracy Plot

Loss Plot

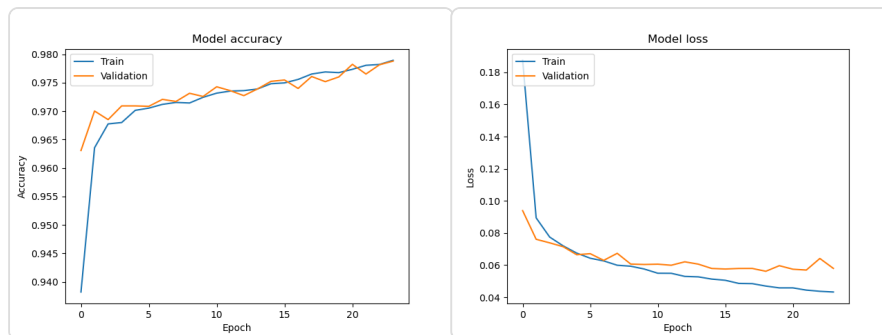
Dropout: 0
Epochs: 24

Results

Training Accuracy:
 0.9789478778839111

Validation Accuracy:
 0.9788016676902771

Test Accuracy:
 0.9758742451667786



Configuration 9

Optimizer: adam
Batch Size: 250
Activation Function: relu
Hidden Units: 500
Dropout: 0
Epochs: 26

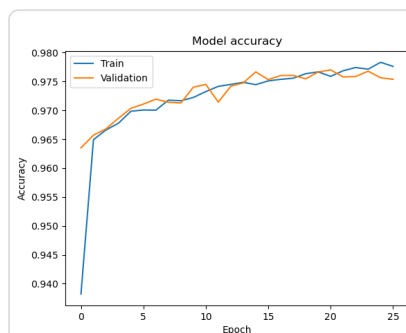
Results

Training Accuracy:
 0.9776321053504944

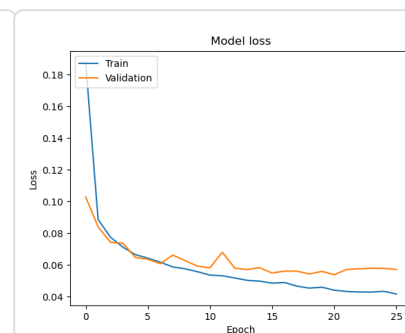
Validation Accuracy:
 0.9753904342651367

Test Accuracy:
 0.9776045083999634

Accuracy Plot



Loss Plot



Configuration 10

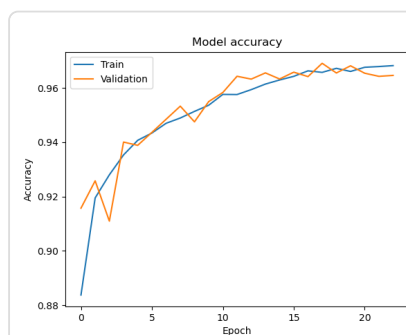
Optimizer: adam
Batch Size: 250
Activation Function: sigmoid
Hidden Units: 500
Dropout: 0
Epochs: 23

Results

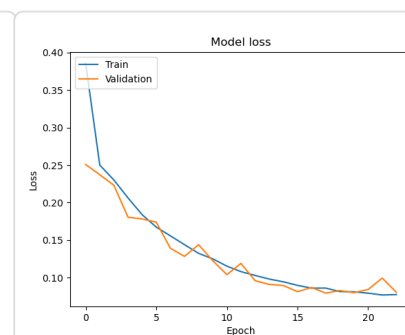
Training Accuracy:
 0.9682269096374512

Validation Accuracy:
 0.9646207690238953

Accuracy Plot



Loss Plot



Test Accuracy:
0.9681978821754456

Configuration 11

Optimizer: adam
Batch Size: 250
Activation Function: tanh
Hidden Units: 500
Dropout: 0
Epochs: 25

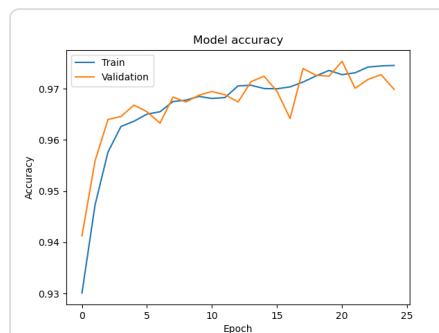
Results

Training Accuracy:
0.9745376706123352

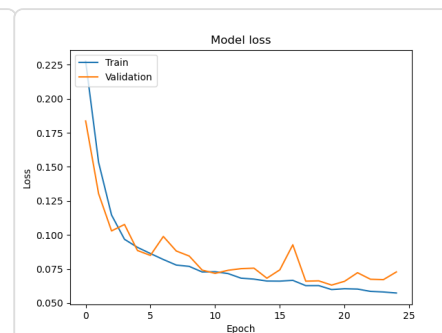
Validation Accuracy:
0.9698594212532043

Test Accuracy:
0.9738272428512573

Accuracy Plot



Loss Plot



Configuration 12

Optimizer: adam
Batch Size: 250
Activation Function: relu
Hidden Units: 10
Dropout: 0
Epochs: 70

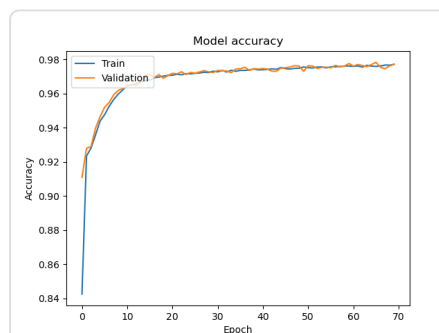
Results

Training Accuracy:
0.9771691560745239

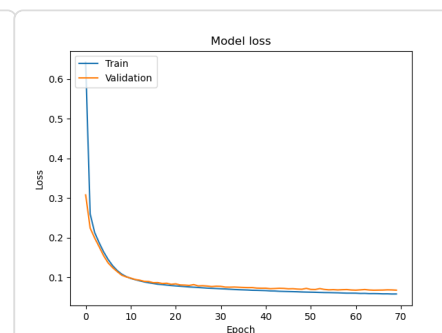
Validation Accuracy:
0.9770717024803162

Test Accuracy:
0.9782624840736389

Accuracy Plot



Loss Plot



Configuration 13

Optimizer: adam
Batch Size: 250

Accuracy Plot

Loss Plot

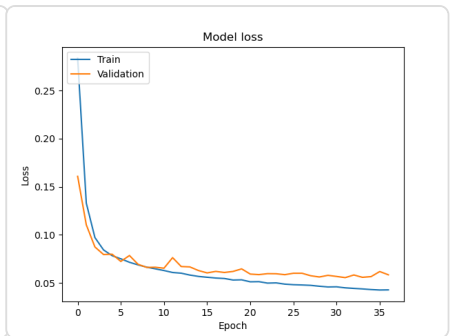
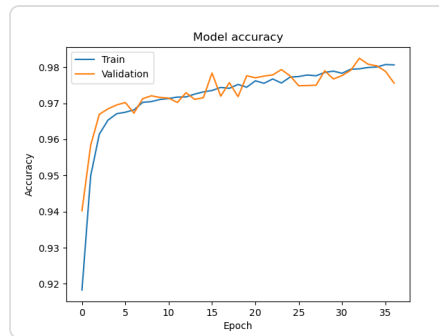
Activation Function: relu
Hidden Units: 100
Dropout: 0
Epochs: 37

Results

Training Accuracy:
 0.9806291460990906

Validation Accuracy:
 0.975585401058197

Test Accuracy:
 0.9797002673149109



Configuration 14

Optimizer: adam
Batch Size: 250
Activation Function: relu
Hidden Units: 1000
Dropout: 0
Epochs: 20

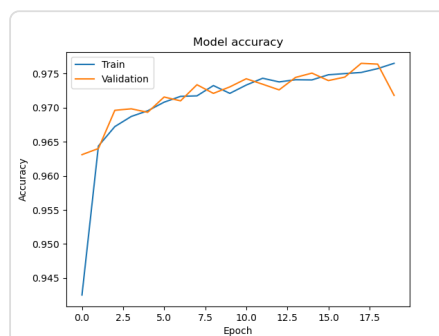
Results

Training Accuracy:
 0.9765112996101379

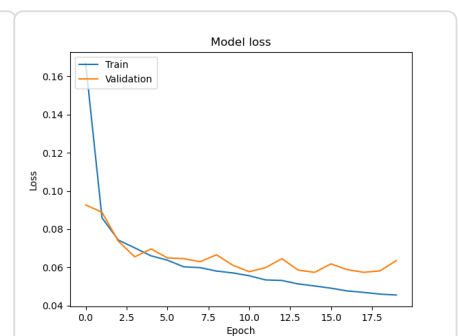
Validation Accuracy:
 0.971808671951294

Test Accuracy:
 0.9762154221534729

Accuracy Plot



Loss Plot



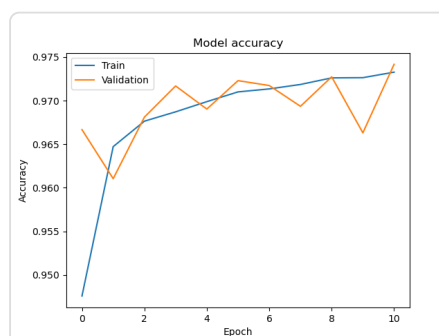
Configuration 15

Optimizer: adam
Batch Size: 250
Activation Function: relu
Hidden Units: 2000
Dropout: 0
Epochs: 11

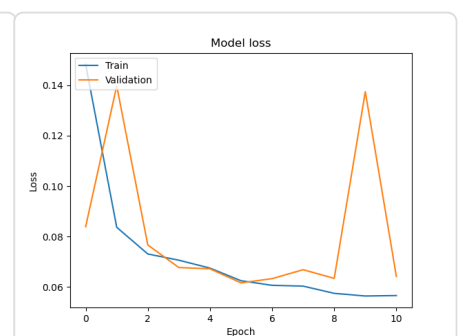
Results

Training Accuracy:
 0.9732706546783447

Accuracy Plot



Loss Plot



Validation Accuracy:
0.9741721749305725

Test Accuracy:
0.9729011654853821

Configuration 16

Optimizer: adam
Batch Size: 250
Activation Function: relu
Hidden Units: 500
Dropout: 0.1
Epochs: 26

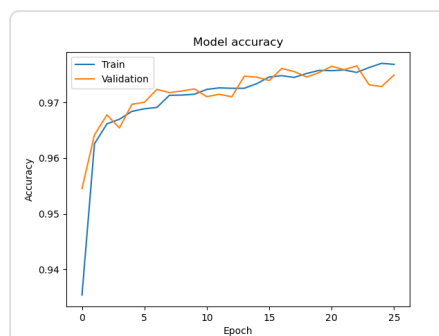
Results

Training Accuracy:
0.9768280386924744

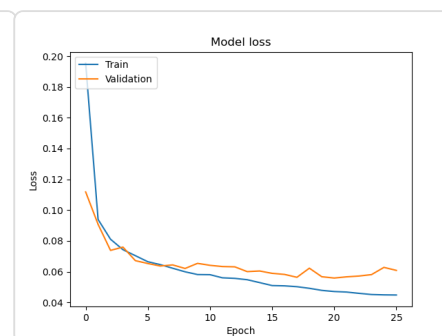
Validation Accuracy:
0.9749274849891663

Test Accuracy:
0.9777263402938843

Accuracy Plot



Loss Plot



Configuration 17

Optimizer: adam
Batch Size: 250
Activation Function: relu
Hidden Units: 500
Dropout: 0.2
Epochs: 28

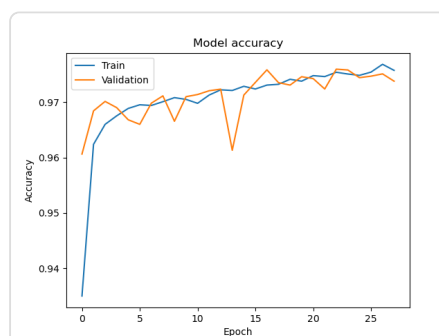
Results

Training Accuracy:
0.975731611251831

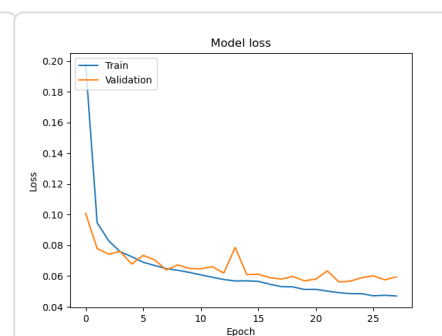
Validation Accuracy:
0.9737823009490967

Test Accuracy:
0.9767028093338013

Accuracy Plot



Loss Plot



Configuration 18

Optimizer: adam
Batch Size: 250
Activation Function: relu
Hidden Units: 500
Dropout: 0.3
Epochs: 44

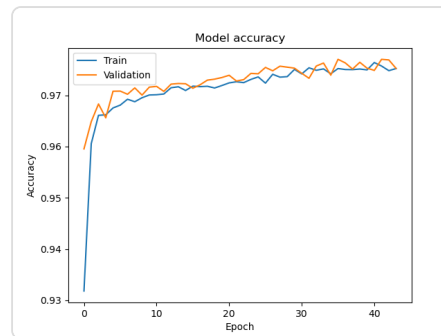
Results

Training Accuracy:
0.9752442836761475

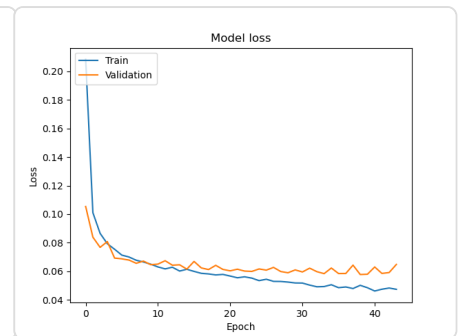
Validation Accuracy:
0.9752686619758606

Test Accuracy:
0.9770683646202087

Accuracy Plot



Loss Plot



Configuration 19

Optimizer: adam
Batch Size: 250
Activation Function: relu
Hidden Units: 500
Dropout: 0.4
Epochs: 34

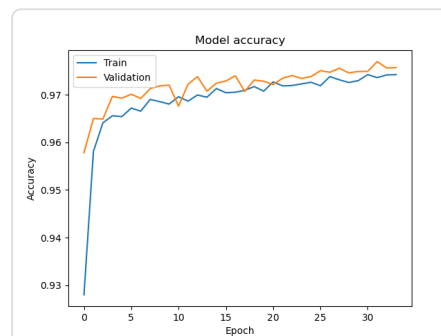
Results

Training Accuracy:
0.9742452502250671

Validation Accuracy:
0.975731611251831

Test Accuracy:
0.9751188158988953

Accuracy Plot



Loss Plot

