

Model Accuracy on trained data -

Test Accuracy: **0.9812**
 35/35 ————— 1s 20ms/step
 Actual: 0, Predicted: 1
 Actual: 0, Predicted: 0
 Actual: 1, Predicted: 1
 Actual: 0, Predicted: 0
 Actual: 1, Predicted: 1
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0

Test Accuracy: **0.9838**
 70/70 ————— 2s 25ms/step
 Actual: 0, Predicted: 1
 Actual: 0, Predicted: 0
 Actual: 1, Predicted: 1
 Actual: 0, Predicted: 0
 Actual: 1, Predicted: 1
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0

Test Accuracy: **0.9794**
 35/35 ————— 1s 16ms/step
 Actual: 0, Predicted: 1
 Actual: 0, Predicted: 0
 Actual: 1, Predicted: 1
 Actual: 0, Predicted: 0
 Actual: 1, Predicted: 1
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0

Model Accuracy on new data -

95/95 ————— 1s 10ms/step
 New Dataset Accuracy: **0.6410**
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 1
 Actual: 0, Predicted: 1
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 1
 Actual: 0, Predicted: 1
 Actual: 0, Predicted: 1
 Actual: 0, Predicted: 1
 Actual: 0, Predicted: 1
 Actual: 0, Predicted: 1

95/95 ————— 2s 18ms/step
 New Dataset Accuracy: **0.6666**
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 1
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 1
 Actual: 0, Predicted: 0

95/95 ————— 1s 9ms/step
 New Dataset Accuracy: **0.7624**
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0
 Actual: 0, Predicted: 0

RNN MODEL COMPARISON (CONT.) -

Simple
RNN
Model

GRU
Model

ReLU
function