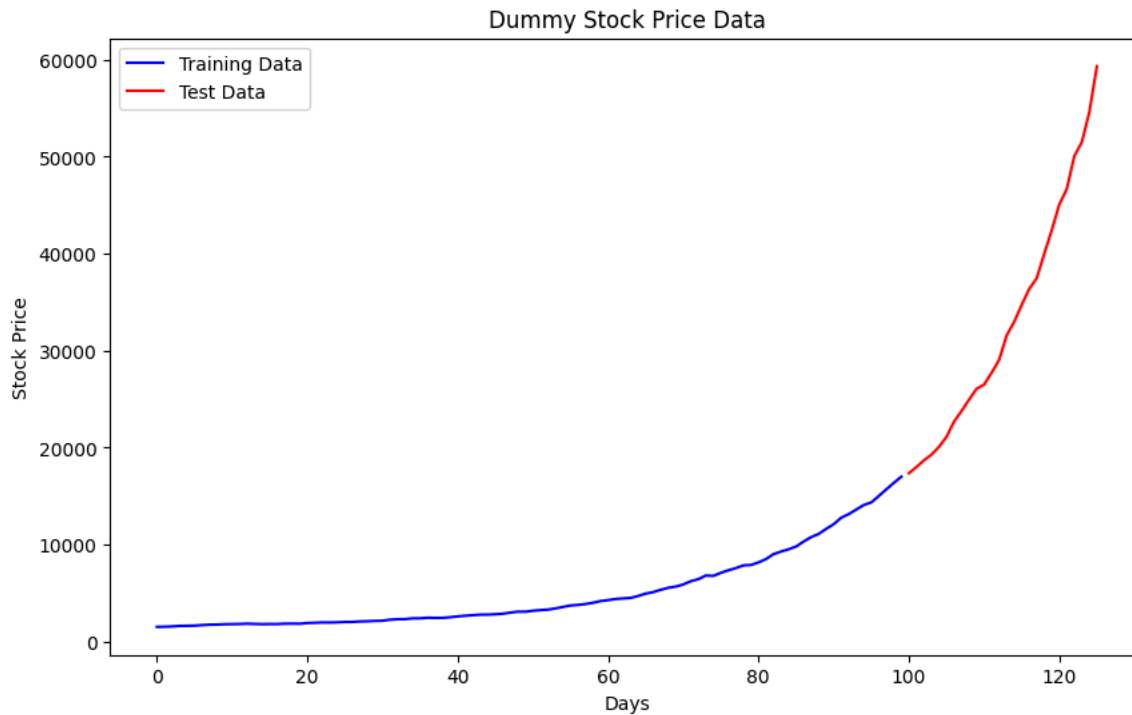Generating dummy stock data...

Dummy data generated and visualized.
Data has been scaled using MinMaxScaler.
Training data reshaped to: (40, 60, 1)
/usr/local/lib/python3.12/dist-packages/keras/src/layers/rnn/rnn.py:199: UserWarning: Do not pass an `input_shape`/`input_dim` argum
  super().__init__(**kwargs)
Model compiled successfully.
Training the model...
Epoch 1/100
2/2 ———————————— 9s 125ms/step - loss: 0.2653
Epoch 2/100
2/2 ———————————— 1s 132ms/step - loss: 0.2056
Epoch 3/100
2/2 ———————————— 0s 158ms/step - loss: 0.0967
Epoch 4/100
2/2 ———————————— 0s 214ms/step - loss: 0.0177
Epoch 5/100
2/2 ———————————— 1s 209ms/step - loss: 0.0536
Epoch 6/100
2/2 ———————————— 0s 206ms/step - loss: 0.0177
Epoch 7/100
2/2 ———————————— 0s 202ms/step - loss: 0.0194
Epoch 8/100
2/2 ———————————— 0s 223ms/step - loss: 0.0254
Epoch 9/100
2/2 ———————————— 1s 203ms/step - loss: 0.0220
Epoch 10/100
2/2 ———————————— 0s 131ms/step - loss: 0.0139
Epoch 11/100
2/2 ———————————— 1s 120ms/step - loss: 0.0135
Epoch 12/100
2/2 ———————————— 0s 126ms/step - loss: 0.0157
Epoch 13/100
2/2 ———————————— 0s 133ms/step - loss: 0.0167
Epoch 14/100
2/2 ———————————— 0s 127ms/step - loss: 0.0087
Epoch 15/100
2/2 ———————————— 0s 130ms/step - loss: 0.0065
Epoch 16/100
2/2 ———————————— 0s 131ms/step - loss: 0.0067
Epoch 17/100
2/2 ———————————— 0s 145ms/step - loss: 0.0053
Epoch 18/100
2/2 ———————————— 0s 132ms/step - loss: 0.0056
Epoch 19/100
2/2 ———————————— 0s 132ms/step - loss: 0.0072
Epoch 20/100
2/2 ———————————— 0s 123ms/step - loss: 0.0060
Epoch 21/100
2/2 ———————————— 0s 122ms/step - loss: 0.0041
Epoch 22/100
2/2 ———————————— 0s 130ms/step - loss: 0.0048
Epoch 23/100
2/2 ———————————— 0s 131ms/step - loss: 0.0073
Epoch 24/100
2/2 ———————————— 0s 146ms/step - loss: 0.0046
Epoch 25/100
2/2 ———————————— 0s 130ms/step - loss: 0.0037
Epoch 26/100