Gated Recurrent Unit (GRU) model MSE: 1532.4723, R²: -0.1171 CPU Predictions (RMSE: 0.2743, R2: -0.0549) 0.2 0.4 0.6 8.0 1.0 Real CPU Usage Memory Predictions (RMSE: 0.0259, R2: -0.5468) Prediction vs Real Memory 0.86 0.88 0.90 0.92 0.94 Real Memory Usage Throughput Predictions (MSE: 2654.3200, R²: 0.2502) Prediction vs Real Throughput Throughput reference line 6000 4000 8000 10000 12000

Real Throughput Usage

1.00

0.75

0.50

0.25

0.00

-0.25

Dredicted Memory Usage 0.950 0.900 0.875 0.850

10000

5000

-5000

0

Predicted Throughput

0.0

Prediction vs Real CPU

Memory reference line

2000

0.84

CPU reference line

Predicted CPU Usage