Multilayer Perceptron (MLP) model MSÉ: 1121.5749, R²: 0.5742 CPU Predictions (RMSE: 0.1520, R2: 0.4173) 0.2 0.6 8.0 0.4 1.0 Real CPU Usage Memory Predictions (RMSE: 0.0238, R2: 0.6869) Prediction vs Real Memory 0.88 0.90 0.86 0.92 0.94 0.96 0.98 Real Memory Usage Throughput Predictions (MSE: 1942.6246, R²: 0.6182) Prediction vs Real Throughput Throughput reference line 6000 10000 2000 4000 8000 12000

Real Throughput Usage

1.00

0.75

0.50

0.25

0.00

-0.25

0.95

0.85

Predicted Memory Usage

2500

0.0

Prediction vs Real CPU CPU reference line

Memory reference line

0.84

Predicted CPU Usage