Multilayer Perceptron (MLP) model MSÉ: 1005.7783, R²: 0.6132 CPU Predictions (RMSE: 0.1071, R2: 0.5020) 0.2 0.4 0.6 0.8 1.0 Real CPU Usage Memory Predictions (RMSE: 0.0157, R²: 0.8664) Prediction vs Real Memory 0.86 0.88 0.90 0.92 0.94 0.96 Real Memory Usage Throughput Predictions (MSE: 1742.0591, R2: 0.4713) Prediction vs Real Throughput Throughput reference line 2000 4000 6000 8000 10000

Real Throughput Usage

Predicted CPU Usage

Predicted Memory Usage

0.75

0.50

0.25

0.0

Prediction vs Real CPU CPU reference line

Memory reference line

0.84