eXtreme Gradient Boosting (XGBoost) model MSE: 2292.3035, R²: 0.3156 CPU Predictions (RMSE: 0.2482, R2: -0.0846) Prediction vs Real CPU CPU reference line 0.2 0.8 0.4 0.6 1.0 1.2 Real CPU Usage Memory Predictions (RMSE: 0.0282, R2: 0.8383) Prediction vs Real Memory Memory reference line 0.75 0.80 0.85 0.90 0.95 Real Memory Usage Throughput Predictions (MSE: 3970.3862, R2: 0.1932) Prediction vs Real Throughput Throughput reference line 5000 7500 10000 12500 20000 2500 15000 17500

Real Throughput Usage

Predicted CPU Usage

1.00

0.75

0.50

0.25

0.00

Predicted Memory Usage 0.00.0 0.80 0.80 0.75

Predicted Throughput 10000 20000 20000 0.0