eXtreme Gradient Boosting (XGBoost) model MSE: 2581.9780, R²: 0.2315 CPU Predictions (RMSE: 0.2241, R2: 0.0779) Prediction vs Real CPU CPU reference line 0.8 0.2 0.4 0.6 1.0 1.2 Real CPU Usage Memory Predictions (RMSE: 0.0254, R²: 0.8618) Prediction vs Real Memory Memory reference line 0.75 0.80 0.85 0.90 0.95 Real Memory Usage Throughput Predictions (MSE: 4472.1171, R2: -0.2452) Prediction vs Real Throughput Throughput reference line 2500 5000 7500 10000 12500 20000 15000 17500 Real Throughput Usage

1.25

1.00

0.75

0.50

0.25

Predicted Throughput 10000 5000 (0.0

Predicted CPU Usage