eXtreme Gradient Boosting (XGBoost) model MSE: 2481.0708, R²: 0.3158 CPU Predictions (RMSE: 0.2099, R2: 0.1227) Prediction vs Real CPU CPU reference line 0.2 0.4 0.6 8.0 1.0 Real CPU Usage Memory Predictions (RMSE: 0.0279, R²: 0.7588) Prediction vs Real Memory Memory reference line 0.80 0.85 0.90 0.95 Real Memory Usage Throughput Predictions (MSE: 4297.3407, R²: 0.0661) Prediction vs Real Throughput Throughput reference line

12500

15000

17500

20000

10000

Real Throughput Usage

Predicted CPU Usage

20000

15000

10000

5000

0

Predicted Throughput

0.8

0.0

0.75

2500

5000

7500