eXtreme Gradient Boosting (XGBoost) model MSE: 1229.8699, R²: 0.6673 CPU Predictions (RMSE: 0.0728, R2: 0.7384) Prediction vs Real CPU CPU reference line 0.2 0.6 0.8 0.4 Real CPU Usage Memory Predictions (RMSE: 0.0172, R2: 0.8252) Prediction vs Real Memory Memory reference line 0.86 0.88 0.90 0.92 0.94 0.96 Real Memory Usage Throughput Predictions (MSE: 2130.1971, R2: 0.4384) Prediction vs Real Throughput Throughput reference line

8000

10000

12000

14000

6000

Real Throughput Usage

Predicted CPU Usage

Predicted Memory Usage

0.90

0.85

15000

10000

5000

0

2000

4000

Predicted Throughput

0.0