eXtreme Gradient Boosting (XGBoost) model MSE: 2800.6415, R²: 0.2866 CPU Predictions (RMSE: 0.2072, R2: 0.0845) Prediction vs Real CPU CPU reference line 0.2 0.6 0.8 0.4 1.0 Real CPU Usage Memory Predictions (RMSE: 0.0252, R²: 0.6675) Prediction vs Real Memory Memory reference line 0.800 0.825 0.850 0.875 0.900 0.925 0.950 Real Memory Usage Throughput Predictions (MSE: 4850.8534, R²: 0.1077) Prediction vs Real Throughput Throughput reference line

15000

25000

20000

10000

Real Throughput Usage

5000

Predicted CPU Usage

Predicted Memory Usage

0.90

0.85

0.80

0

25000

0.8

0.0

0.775