ISTE 730

FINAL PROJECT REPORT

BY

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(Contains screenshots and images only. Videos and code submitted separately)

A screen shot of a computer

Description automatically generated

Figure 1: Android Device information showing on IBM IOT platform

A screenshot of a computer screen

Description automatically generated*Figure 2: Gateway information showing on IBM IOT platform*A screen shot of a computer

Description automatically generated*Figure 3: Gateway Device status showing CPU and memory usage on IBM IOT platform.*

A screenshot of a cell phone

Description automatically generated

Figure 4: Android device SensorUDP app transmitting sensor information to the cloud platform using given IP address and port number.

HERE ARE TWO VISUALIZATIONS OF SENSOR AND GATEWAY DATA USING DASHBOARD VISUALIZATIONS OF THE IBM IOT PLATFORM:

A screenshot of a computer screen

Description automatically generatedA screenshot of a computer screen

Description automatically generated

A screenshot of a computer screen

Description automatically generated

Figure 5: Screenshot of the gateway database retrieved from IBM cloudant database and displayed using IBM Watson Studio