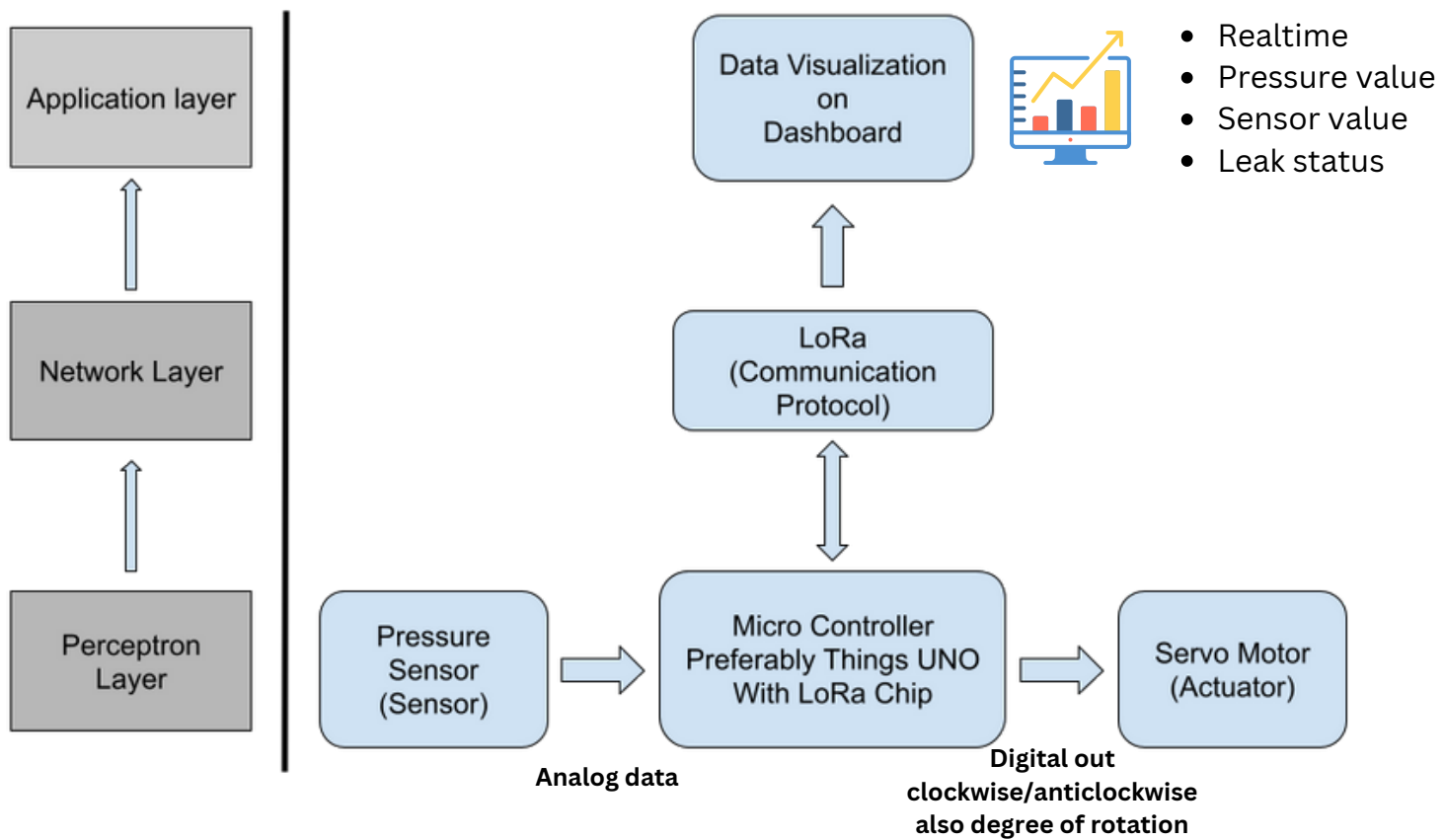
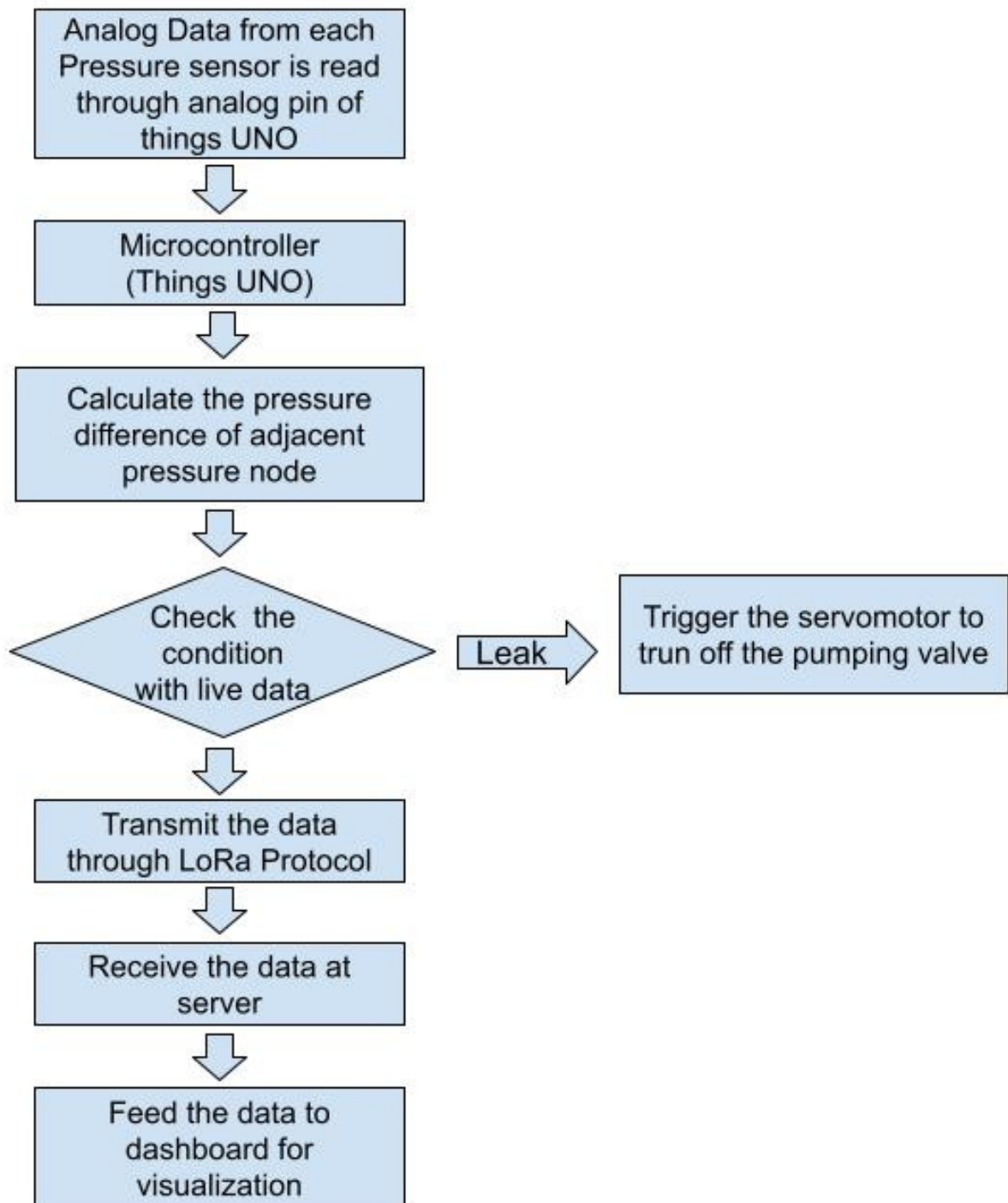


3 Layer IoT Architecture for Pipeline Leak Detection



WORK FLOW



Description

Analog data from the pressure sensor is read through analog pin of things UNO by calibrating the sensor raw data and which is analyzed by the condition to determine whether it is leak or no leak. According to the condition the servomotor get trigger to turn of the valve of servomotor. The leak status , pressure sensor value and servomotor status(whether it is on or not) is transmitted to server through LoRa protocol and once it is received , it is pushed to dashboard for visualization.