

Patient Health Monitoring and Diagnosis Using IoT and Machine Learning

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Abstract

Including rapid and accurate up-gradation in medical technology, disclosure (detection), and monitoring of patients is not an obvious issue. Nowadays sustained and trend healthcare monitoring devices are available in the market. This paper elaborates on the concept of monitoring and diagnosis of patient health conditions. The main objective of this proposed system is to target heart patients and provide them an integrated portable health monitoring device. The proposed idea helps patients as well as cardiologists. In this system, Raspberry-pi has been used along with communication protocols i.e. MQTT and Machine learning algorithms which make it efficient, affordable, and a reliable prototype.

Keywords

Internet of things (IoT) Raspberry-pi pulse rate sensor Hemoglobin sensor
ECG sensor Thingspeak Machine learning K-means clustering
Logistic regression

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