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(57) Abstract :

The combination of the Internet of Things and the cloud simplifies our lives by allowing us and our devices to stay in constant contact with one another. Advanced artificial intelligence and machine learning techniques are reshaping the healthcare industry, and predictive analytics in the medical field can help make the shift from a reactive to a proactive approach. The advent of "big data" makes this a reality. Deep learning is a kind of machine learning that has the potential to revolutionise our ability to analyse massive volumes of data, gain insightful knowledge, and solve difficult problems swiftly and effectively. Early detection and preventative care for people at risk require precise disease prognoses. Due to the increasing prevalence of EHRs, it is crucial to employ recurrent neural network varieties of deep learning that can manage sequential time-series data to construct ever-more-accurate prediction models. The proposed system compiles information from IoT devices and applies predictive analytics to the patient's electronic clinical data in the cloud. This data is associated with the patient's medical history. The Bi-LSTM algorithm is at the heart of a cutting-edge healthcare system that accurately monitors and predicts cardiac disease risk (bidirectional long short-term memory)

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