Real Time Patient Monitoring System

This project is done by:

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In this project, we developed and implemented two machine learning algorithms aimed at enhancing the monitoring of patients' vital signs, including heart rate, oxygen saturation, and blood pressure.

The first algorithm serves as an early warning system, predicting potential imminent risks to patients, thereby empowering doctors to intervene promptly and administer timely treatments to prevent adverse outcomes.

By leveraging predictive analytics, this algorithm enables proactive decision-making, minimizing the likelihood of medical emergencies.

On the other hand, the second algorithm prioritizes patient care based on the severity of their conditions. By dynamically sorting patients from most to least critical, healthcare providers gain insights into where to direct their attention and allocate resources efficiently.

Together, these algorithms form a comprehensive framework that enhances patient care by providing timely interventions and optimizing clinical workflows.