EMERGENCY - PERSONAL HEALTH COMPANION

Presented by True Rippers

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INTRODUCTION

The Emergency- Personal Health Companion is a real-time health monitoring system designed to detect medical emergencies using wearable sensors and mobile data. It leverages geolocation and routing intelligence to alert emergency contacts and guide users to the nearest healthcare facility—automatically, swiftly, and reliably.

OBJECTIVES

Monitor Real-Time Health Data

- Capture key metrics like heart rate, oxygen levels, body temperature, motion (fall detection), and location.

Detect Emergencies Automatically

- Rule-based and ML-enhanced detection for cardiac, respiratory, and trauma-related emergencies.

Enable Smart Geolocation Routing

- Use HERE APIs to find and route to nearest hospitals considering traffic and accessibility.

OBJECTIVES

Ensure Data Privacy and Reliability

- Maintain HIPAA/GDPR compliance with secure data handling and 99.9% uptime.
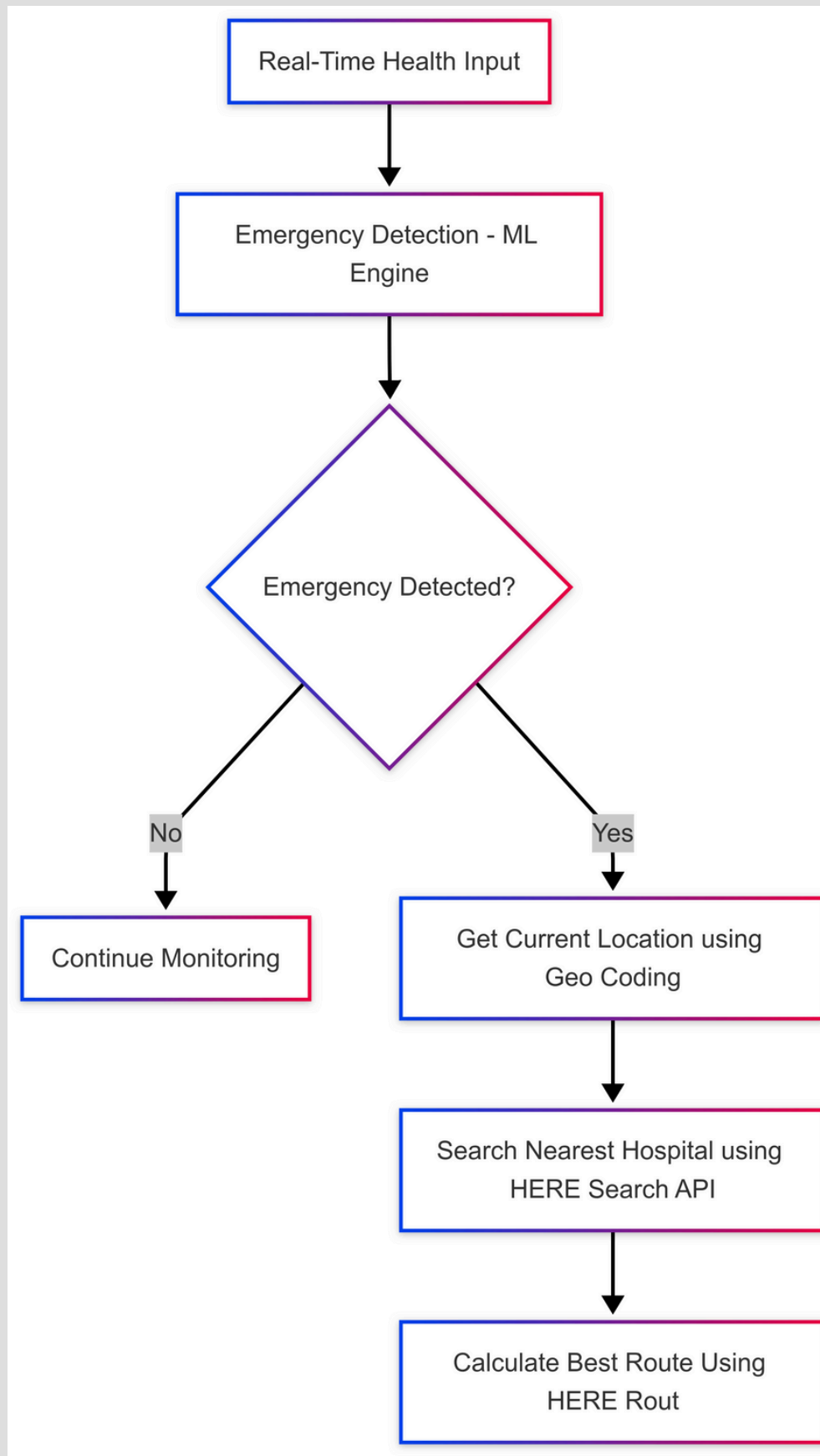
Deliver a Seamles Web Interface

- Offer an intuitive user experience for monitoring, emergency contacts, and history tracking.

Support Continuous Improvement

- Monitor system performance, user feedback, and expand features post-launch.

FLOWCHART

THANK YOU