AI bracelet for health monitoring

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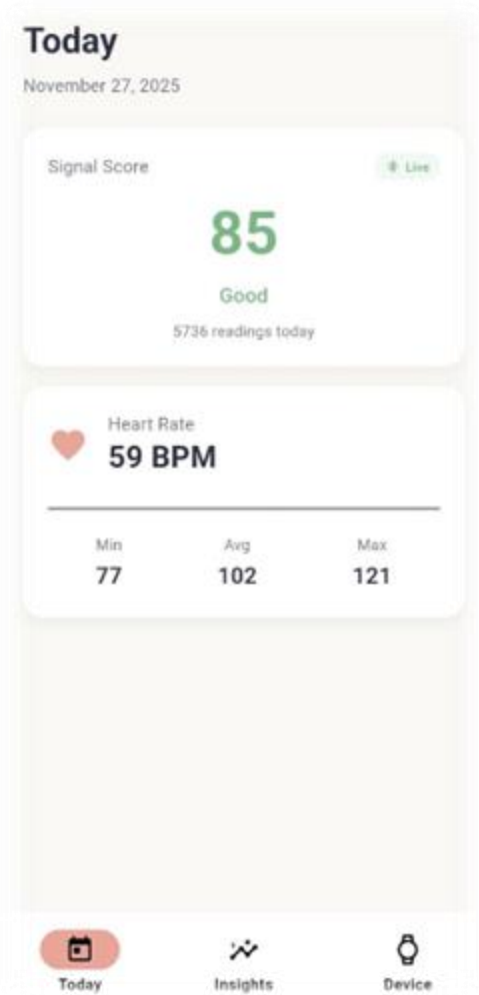
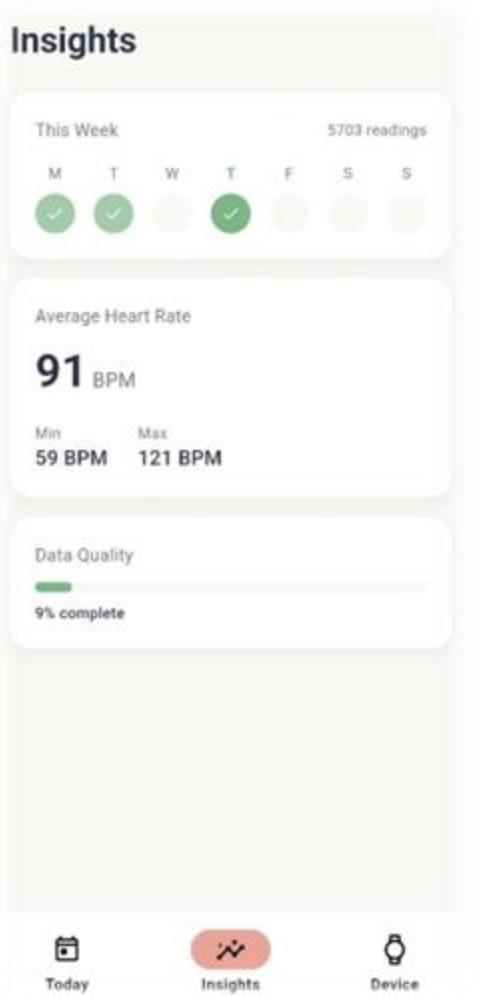
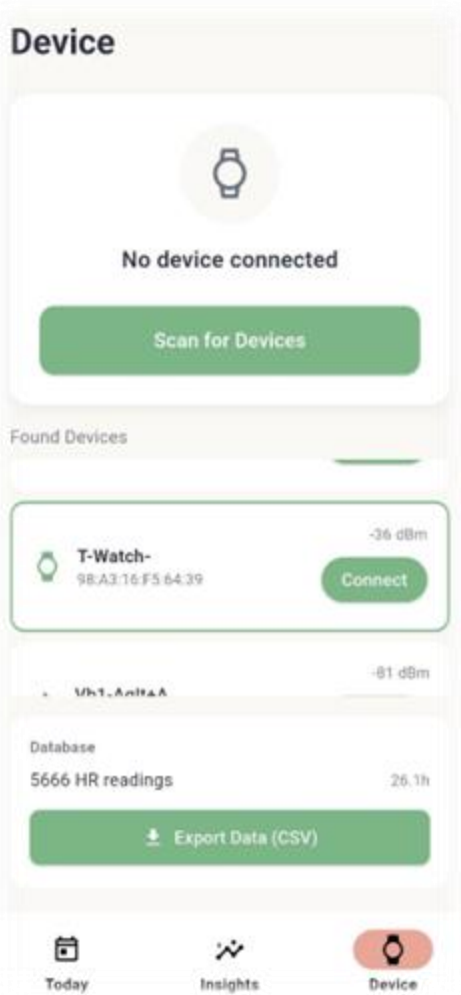
Main Objective

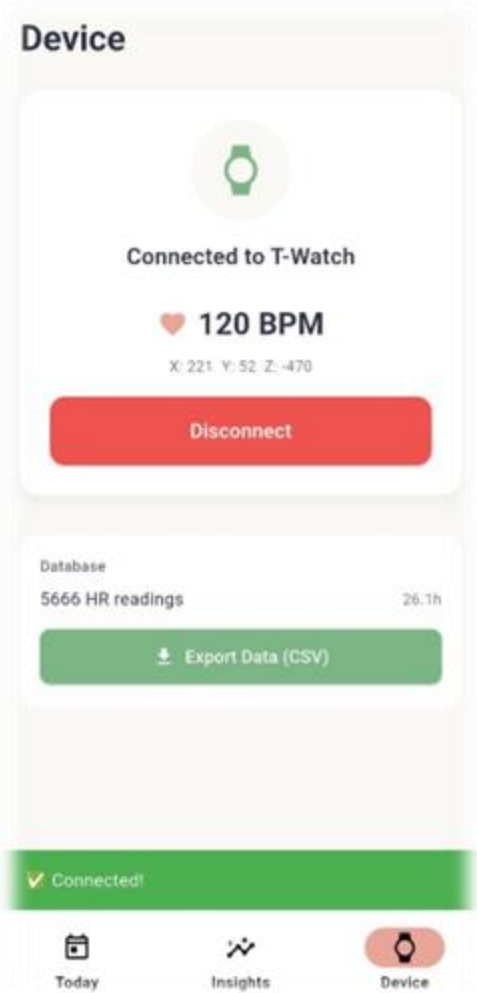
- To develop an AI-powered system that can detect early signs of heart sclerosis using continuous, non-invasive physiological data collected from a smart bracelet.
- The system will analyze patterns in heart rate variability (HRV), pulse waveform morphology, activity levels, and other bio-signals to identify anomalies associated with myocardial fibrosis.
- **Today's Update:** We started implementing the flutter app and finding solutions for the server and data transition

The flutter app









Server solution

[Bracelet]
→ (via phone app or direct)
→ HTTPS POST/GET to your Flask server (hosted in Romania)
→ Flask saves data to PostgreSQL / MySQL

Optional solution here: Use Supabase backend (self-hosted or managed)