Health Report Analyzer

Transforming Complex Data into Actionable Health Insights

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Health Reports Are Confusing

Patients receive reports filled with medical jargon, complex numbers, and no clear guidance. This leads to:

- **Anxiety and Uncertainty:** Users don't know if their results are good or bad.

- **Lack of Action:** Without clear interpretation, it's hard to know what steps to take.

- **Missed Opportunities:** Early warning signs are often buried in data that patients can't understand.

The result is a communication gap between the data and the patient.
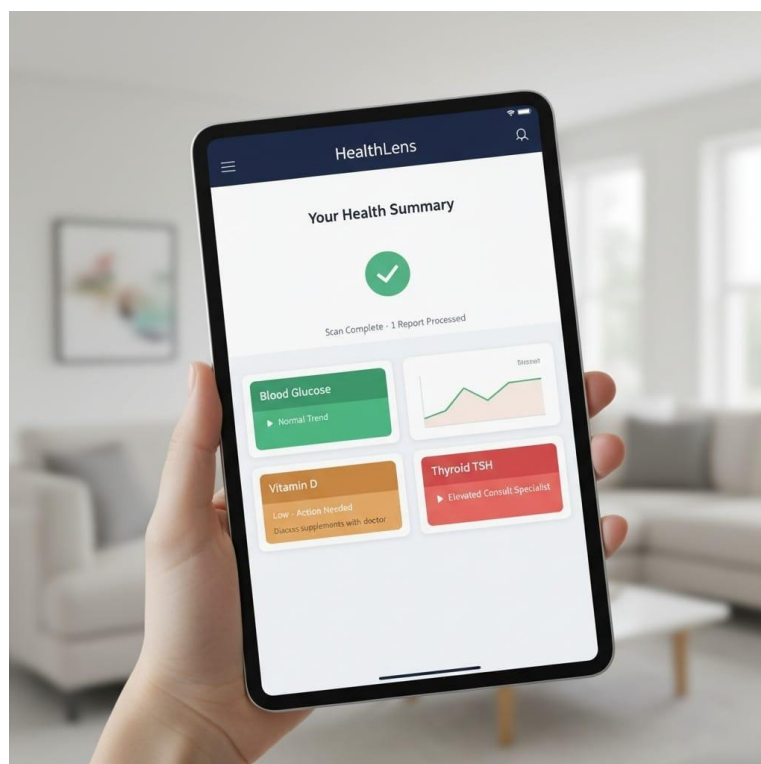
Introducing the Health APP

A smart, user-friendly system that translates raw health report data into a simple, actionable summary.

Our mission is to empower every individual to understand and take control of their health.

What Our System Does

1. **Biomarker Interpretation:** Instantly flags values as **Normal**, **High**, or **Low** based on established medical ranges.
2. **Symptom Correlation:** Connects user-reported symptoms to their biomarker data to find potential links
3. **Actionable Recommendations:** Delivers clear, simple suggestions like "Consider increasing Vitamin D intake" or "Consult a doctor for thyroid evaluation."

How It Works

A Simple, Three-Step Process
1. Input

- User enters structured data from their health report (e.g., blood test).
- User can optionally add current symptoms. **(↓)**

2. Analyze

- Our Flask & Pandas backend processes the data.
- It compares values against our medical database, checks for correlations, and identifies risks. **(↓) 3. Output**
- The system generates a clean, easy-to-understand summary.
- Displays the interpretation, insights, and actionable recommendations