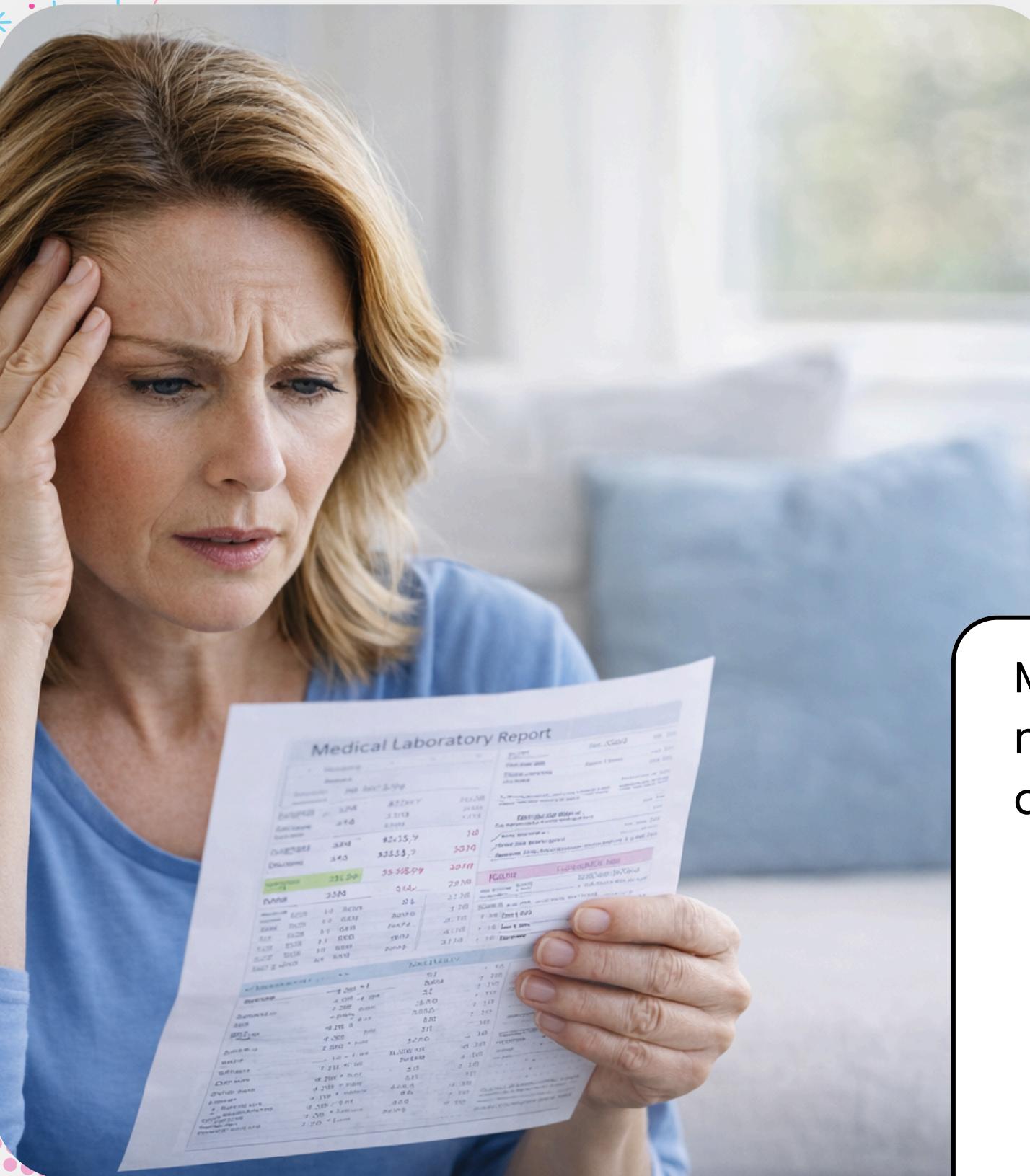


Lab Report Intelligence Agent

Presented By:
Byte Builders





Problem Statement

Medical laboratory reports contain complex medical terminology and numerical values that are difficult for patients to interpret.

- Reports provide raw data without explanations
- Patients cannot easily identify abnormal results
- Lack of clarity causes confusion and anxiety
- Dependence on doctors for basic understanding



Our Solution



Converts complex lab reports into simple explanations



Automatically analyzes medical values and detects abnormalities



Generates health score and personalized health insights



Provides easy recommendations to improve health understanding





Smart Report Analysis

Automatically analyzes lab reports and identifies abnormal health values.



AI Health Summary

Converts complex medical data into simple, easy-to-understand explanations.



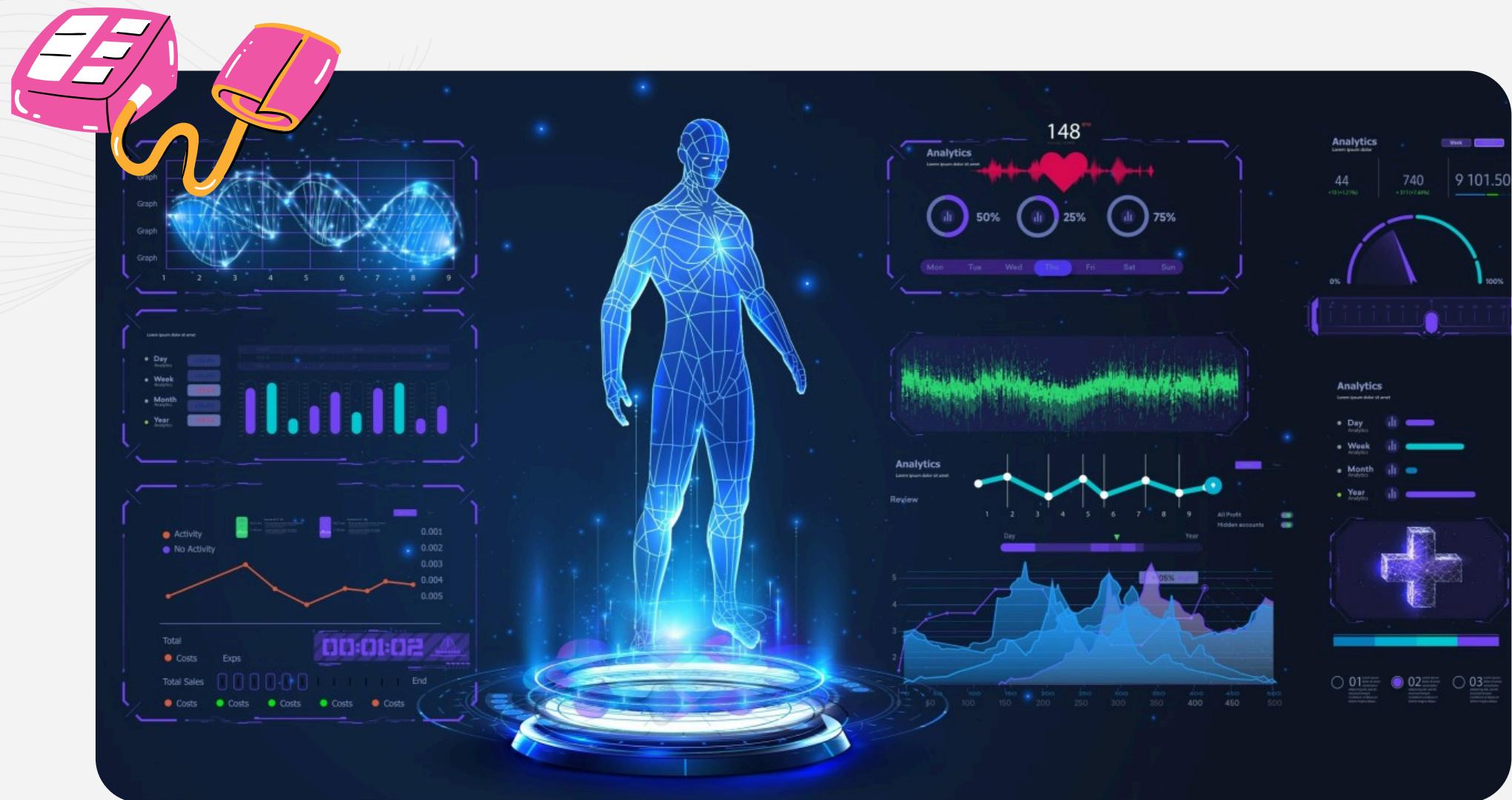
Health Score Generation

Provides an overall health score based on medical parameters.



Health Recommendations

Suggests lifestyle improvements and guidance for better health management.



KEY FEATURES



Languages & Technologies Used



Programming Language
Python is used for core application logic and data processing.



Data Processing
Pandas is used for analyzing and handling medical data.



User Interface
Streamlit is used to build an interactive web-based dashboard.



AI & Report Analysis
PDF parsing and AI concepts generate health insights.

System Architecture Diagram

Lab Report Intelligence Agent - System

