Technical Report

In this phase, we mostly focused on web page development.

* We developed the Web page using the Python Streamlit Package.
* Why Stream Lit? It is simply convenient. You don't have to restart the application every time you change the application source code. By default, stream lit runs applications in developer mode, where the source code is monitored for code changes. Every change is considered, and the app updates its operation on the fly.

**Web Page Structure:**

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Description automatically generated

**Root Folder includes**:  
Data folder, web Pages folder, Signup folder, Profile python script and user\_credentials and Login Information.

User's Account will be created i.e., separate data files, when they signup with their username and password.

**Data files look like this:**

Profile Data: Every time user edits the profile, and will keep track of it

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Input Data: keep track of blood reports parameter

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Description automatically generated

user data includes all other parameters, weight and height

A screenshot of a computer screen

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**Pages Folder: This folder includes all the pages used in the web app:**

1. Diabetes detection, predict diabetes based on the blood report parameters, in case if user does not have a blood report they can calculate the diabetes risk score based on general factors.
2. Chatbot; gpt-3.5 based chatbot with “get recommendation” feature, which extracts the latest user information and provides exercise and diet recommendations.
3. Find Care: Google Map integrated feature that locates your current location and finds nearby doctors with additional information.

To watch demo:

https://www.loom.com/share/d57dc6c3a78e47bcbeb014e3bb3aedf4?sid=8ed71713-6771-4eec-93fa-9293390c7768