



SUGAR SENSE

by Team Phoenix

Harsha Biruduraju

Aneesh

Our Problem Statement

**HELPING DIABETIC INDIVIDUALS AND
INDIVIDUALS AT RISK FOR DIABETES**

418H ENIGMA

Personalized diet and lifestyle recommendations to help individuals at risk for diabetes manage their health effectively.

Introducing



An application to support at-risk diabetic patients

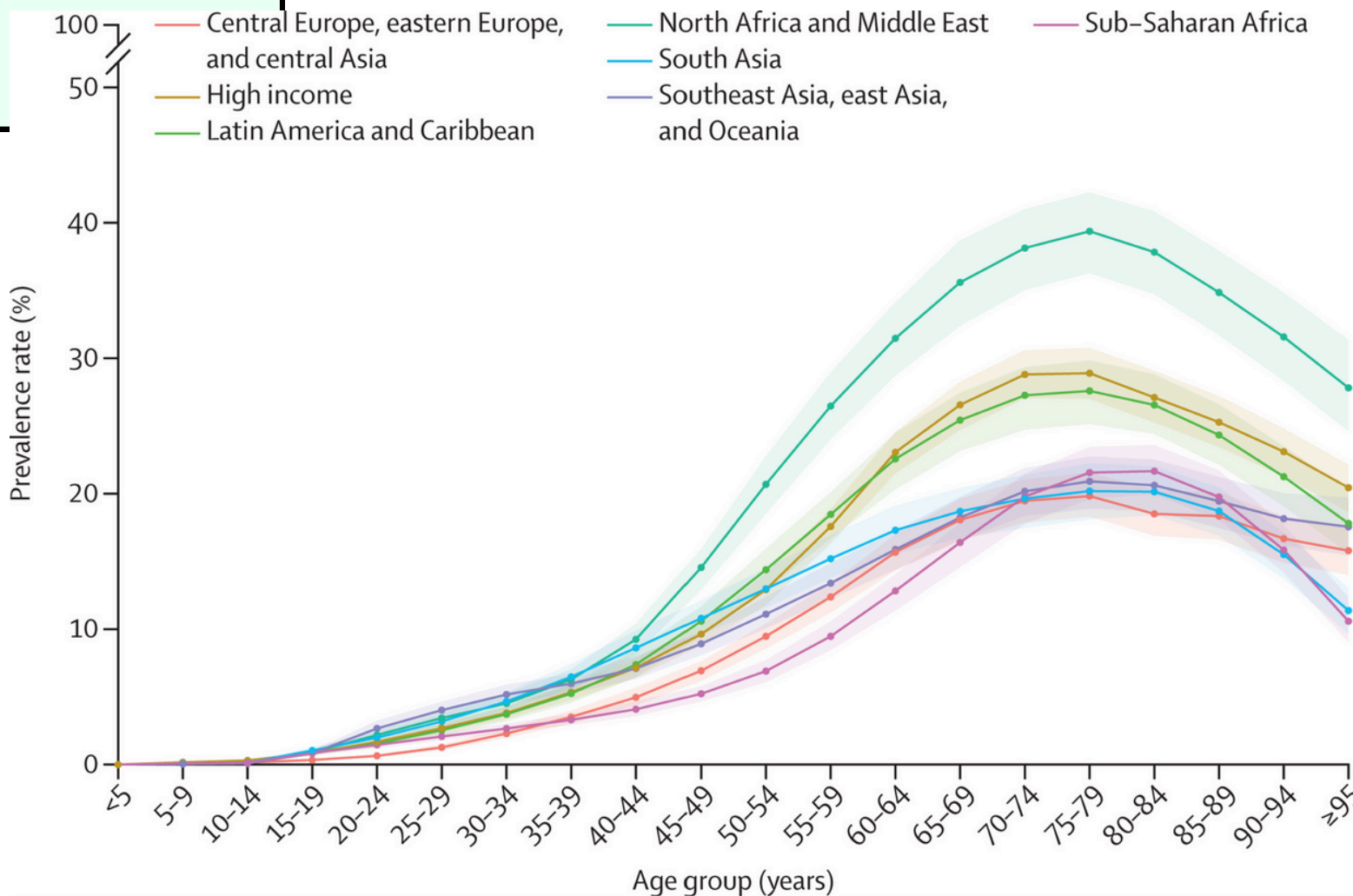
SUGAR SENSE

WHY IS THIS IMPORTANT?

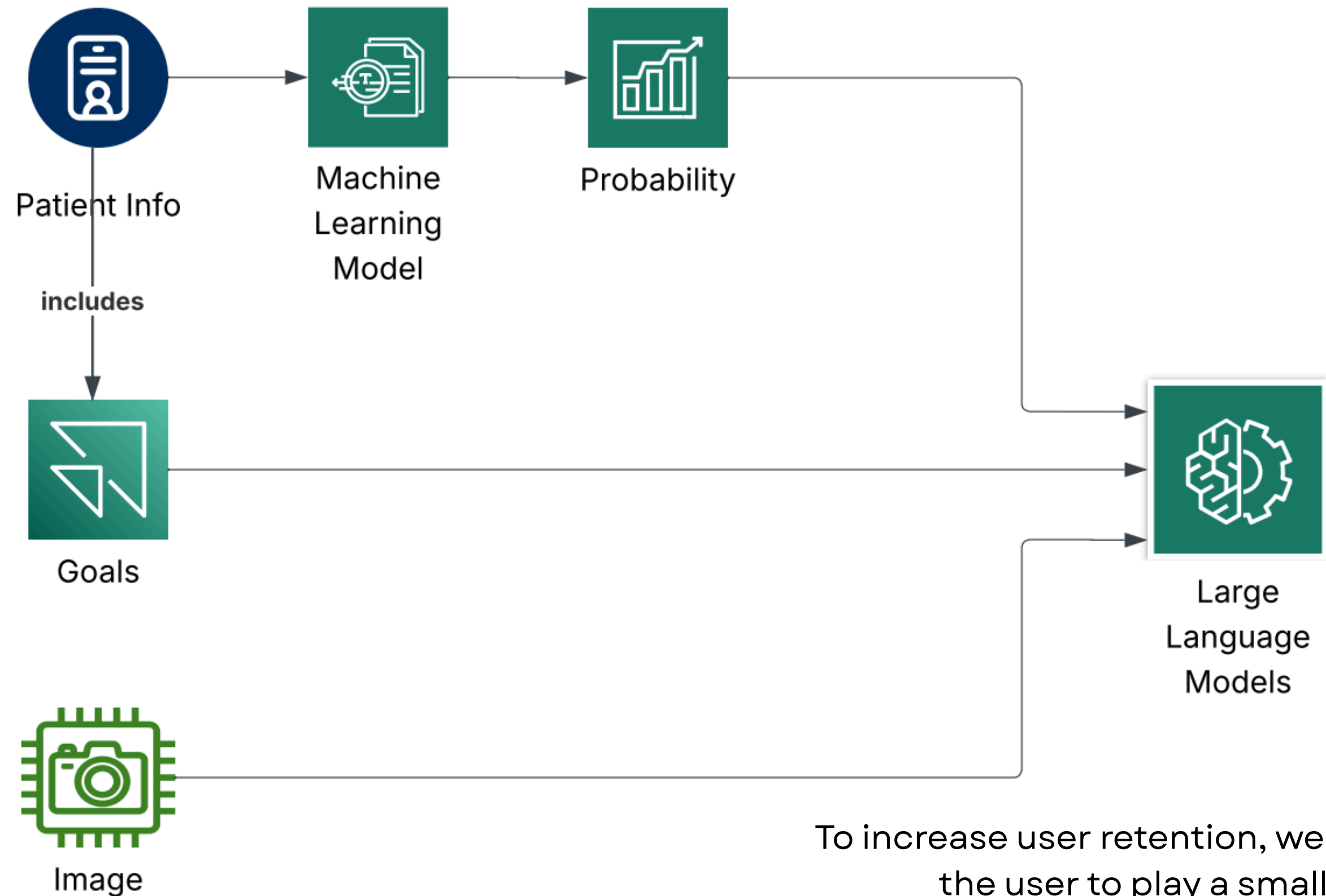
The Repercussions of
Uncontrolled Diabetes
on Health

Benefits of Personalized
Recommendations and
Assessments

Concerning Increase in
Diabetic Rates among
Adolescents



OUR IMPLEMENTATION

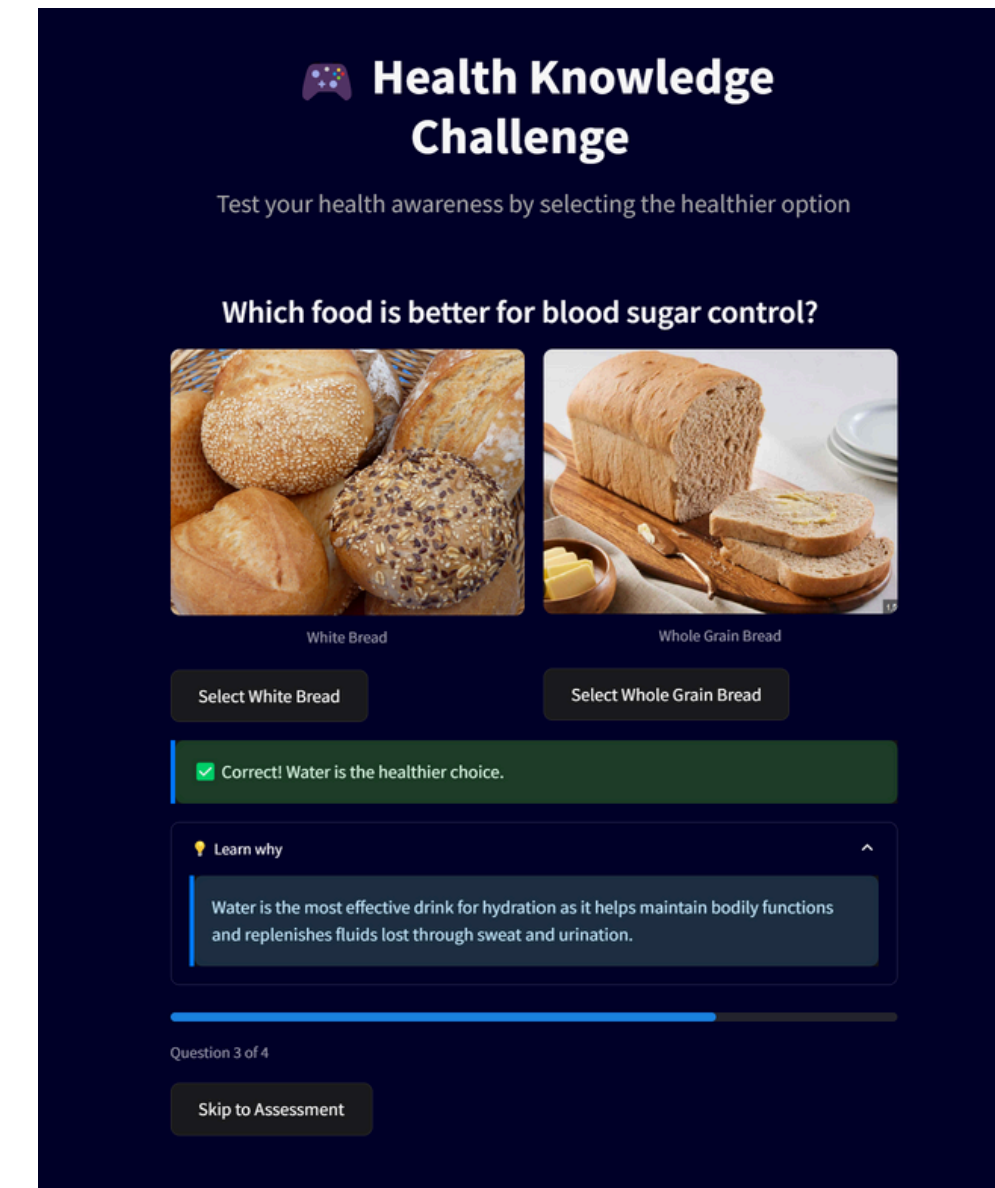


WHAT IS OUR SOLUTION TO HELP AT-RISK PATIENTS?

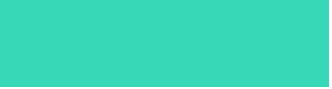
Targeting Primarily the Younger Demographic

Models Adjust to User Habits over time

Education / Awareness Via Minigame Integration to Increase User Rete



Plan **VISION**



Integration of Application with
Hospitals



Implementation of Encryption
System for Data Security.



LLM Learns From Similar Users to
Make Better Recommendations





Plan

CHALLENGES FACED

Obstacles in the way?



Generating Meaningful
Responses from LLMs

Datasets Missed Important User
Input Categories



Displaying Meaningful Relevant
Error Messages



TECHNOLOGY USED



EXTENSION

- Gemini API



TECHNOLOGIES USED

- Python
- Streamlit
- Dependencies - Pandas, Numpy, Pickle, XGBoost



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HOW WILL WE REACH OUR TARGET AUDIENCE?

- **Doctor & Clinic Endorsements** - We will collaborate with general physicians, clinics, and dietitians to recommend the app to young adults who show early signs of lifestyle-related health issues
- **Social Media Personalities & Micro-Influencers** - We will partner with fitness, wellness, and lifestyle influencers on platforms like Instagram, YouTube, and TikTok to promote the app through relatable content

MARKETING STRATEGY: REACHING AT-RISK DIABETIC USERS

Value Proposition

- Early detection tools for at-risk individuals
- Personalized recommendations and insights for diet preferences and lifestyle choices
- Healthy alternatives provided for patients who have diet restriction

Marketing Channels

- Social Media Campaigns - Focused on awareness
- Health Blogs - Articles to educate people on diabetes and its effects
- Clinics - To recommend my application to the public

Retain Users

- Provide high quality insights so that users are inclined to continue using the application
- Enable Streaks or Rewards for the implemented Mini Game.



**THANKS
FOR WATCHING**

