COLO COMPANION
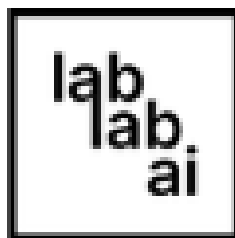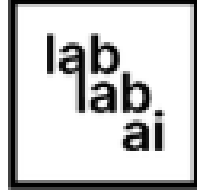
A friendly, supportive AI chatbot that offers companionship and guidance throughout the journey of colorectal health and diagnosis.

lab
lab
ai

Presented by Futuretech Mavericks

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Colo Companion

COLO RECTAL CANCER - Quick Intro

Colorectal cancer is a type of cancer that begins in the colon or rectum,   and often develops slowly over several years.

Colorectal cancer is a significant public health concern, but with
 * awareness
 * early detection,
 * advancements in medical care

the prognosis for many individuals with colorectal cancer has improved.

Regular check-ups, a healthy lifestyle, and awareness of risk factors contribute to the prevention and early detection of colorectal cancer.

Colo Companion

PROBLEM STATEMENT

(1) **Rising global cases - world wide**
Since 2020, stats show that there is a rise 73% new incidents and 63% deaths in 2023. By 2040 is projected to be 80% new cases.

(2) **Inadequate or Insufficient access to accurate guidance, early detection steps, awareness of risk factors and recommended healthy lifestyle choices, research, trends.**

(3) **High costs and stigma associated to disease**

(4) **Research & Discovery of possible environmental stressors**

Colo Companion

SOLUTION

> Combine the medical focus area (colo- for colorectal) with the concept of a companion, guidance & awareness providing continuous support and information to :

- Patients diagnosed with colorectal cancer
- Patients that are at risk, that seek to learn and apply preventive steps
- Patients not diagnosed, that want to learn and practice healthy habits
- Increase Community self-awareness, by promoting early screening

> Democratize colo rectal healthcare by making it accessible to all.
> Combine technology + healthcare strategies to reach to poor or remote communities or environmental communities at risk.

> Technology stack (Vectara, Anyscale, LLM, Streamlit)
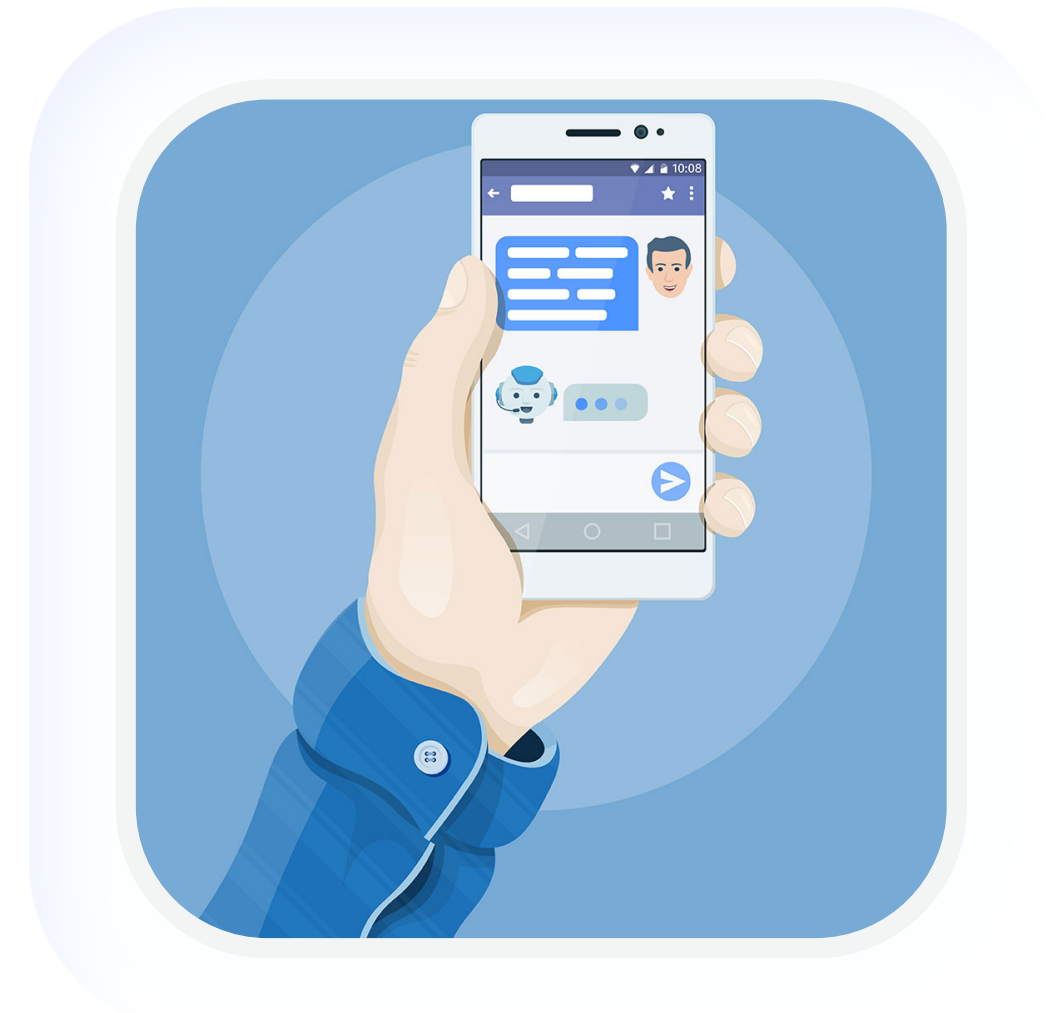> Open AI for language model and prompt engineering
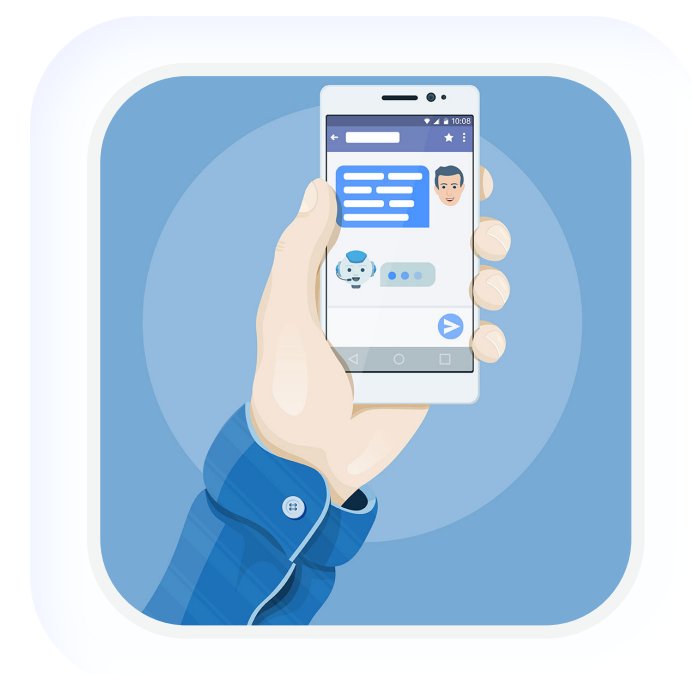
Market Size

AS of 2023, colo rectal cancer is valued differently across various segments in global markets (around world)

> The global colorectal cancer market size is valued at USD 16.11 billion

> For the seven major colorectal cancer markets, a compound annual growth rate (CAGR) of 2.31% is expected from 2023 to 2033

> The colorectal cancer screening market is projected to grow from USD 17.05 billion in 2023 to USD 23.03 billion by 2030, with a CAGR of 4.4%

> The colorectal cancer therapeutics market was estimated at USD 11.5 billion in 2022 and is expected to grow at a CAGR of 4.7% from 2023 to 2030

Revenue Streams

> Service Subscriptions

Users could pay for premium access to more comprehensive guidance, personalized health tracking, or advanced features such as detailed analysis of symptoms and lifestyle.

> Professional Services

Users could receive offerings to connection to nutritionists, fitness trainers, or medical professionals for personal consultations could also be a source of revenue.

> In app purchases

Users might pay for additional in-app tools or resources, such as personalized diet plans, fitness programs, or interactive educational content.

> Affiliate Marketing

The chatbot could recommend over-the-counter products, supplements, or specialized foods, earning a commission on sales made through affiliate links.

> Data Analytics

With consent, anonymized user data could be valuable for research institutions or pharmaceutical companies looking to understand trends in colorectal health.

> Healthcare Partnerships

Partnering with clinics, hospitals, or healthcare providers could generate revenue through referrals for screenings, tests, or consultations

Revenue Streams

Company Targeted

> Sponsored Content

Health care companies might pay to have their content featured or to sponsor specific modules within the chatbot, like a section on healthy living or symptom management

> Advertising

Healthcare companies might pay to displaying ads related to colorectal health, healthy diets, or fitness could be a source of income, especially if the chatbot garners a high user engagement rate.

> Grants and Funding

If the chatbot is proven to improve health outcomes, it might be eligible for health grants or government funding aimed at cancer prevention and awareness campaigns

Community Targeted

> Sponsored Events

The chatbot could recommend community sponsored events, schools, churches, parks in which healthy lifestyle choices are presented, screening in-spot trucks can be accessible to anybody

> Program Advertising

A wide range of healthcare institutions, associations can partner to develop guided programs for patients diagnosed with colon cancer, or for patients with risks factors, for better journey experience.

> Meet Ups and support

Partnering with clinics, hospitals, new communities can be develped to organize meet ups aimed to guide, promote better life choice and procure early detections or screenings, show success journeys

Impact

1

Real Time Personalized Support

Improved User Experience

2

Scalability and Integration with other health resources

Leverage user data and trends

3

insights into the research and development aspects.

Showcase the potential of AI in colo cancer to support patients in their journey

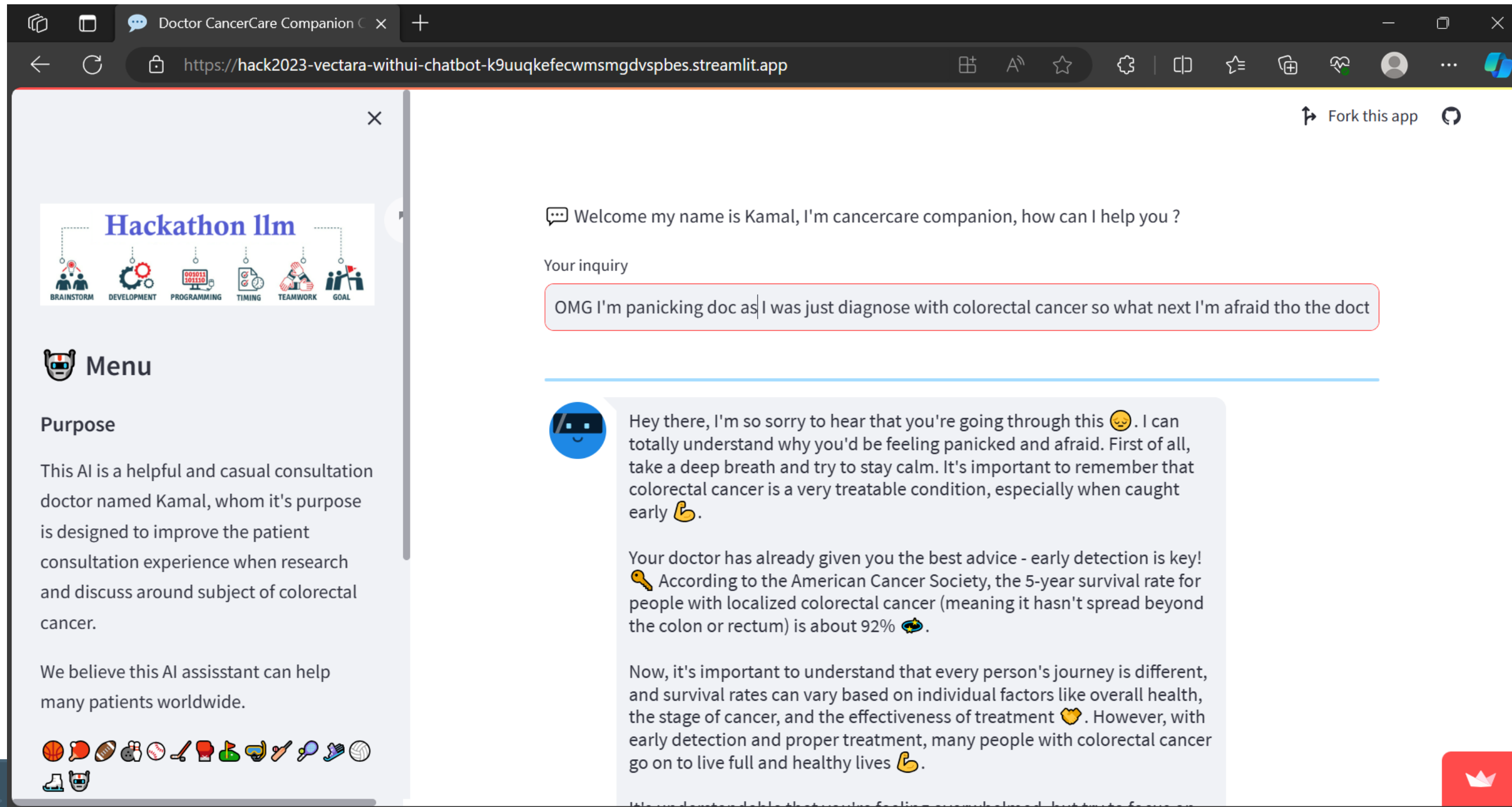**4**

LESS DEATHS

EARLIER DIAGNOSED CASES

MORE SCREENINGS

BETTER JOURNEY EXPERIENCE

STRONG SUPPORT For COMMUNITIES ALL KINDS

Future plans

- Leverage AI to analyze anonymized user data for improved treatments and develop targeted healthcare solutions for a variety of patients and communities. Continuous learning

- Explore AI-guided products for digital awareness in colo recatal cancer healthcare.

- Focus on making healthcare for colo cancer more accessible and less expensive through AI chatbots and tools.

- Developed better and successful patient experiences that are able to change and save lifes.

DEMO

DEMO

It's understandable that you're feeling overwhelmed, but try to focus on the positive aspects 💥. You've already taken the first step by getting diagnosed and starting treatment. And remember, you're not alone in this! There are tons of resources available to help you through this journey 🌈.

If you haven't already, consider talking to a cancer counselor or support group 💬. They can offer valuable advice, guidance, and emotional support from people who have been through similar experiences 💥.

Lastly, take care of yourself during this time 🥰. Make sure to follow your doctor's instructions, eat well, exercise regularly (if possible), and get plenty of rest 😵. And don't hesitate to reach out to your healthcare team if you have any questions or concerns 📞.

Stay strong and positive, and remember that many people have successfully fought colorectal cancer and gone on to live fulfilling lives 💪. You got this! 💪🌈💫
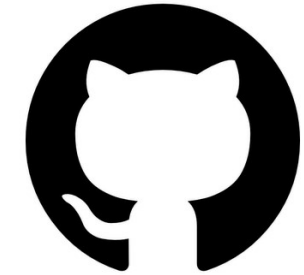
Sources:

- American Cancer Society: https://www.cancer.org/cancer/colon-rectal-cancer/detection-diagnosis-staging/survival-rates.html

- Cancer.Net: https://www.cancer.net/cancer-types/colorectal-cancer/introduction

Hackathon llm

BRAINSTORM · DEVELOPMENT · PROGRAMMING · TIMING · TEAMWORK · GOAL

🤖 Menu

Purpose

This AI is a helpful and casual consultation doctor named Kamal, whom it's purpose is designed to improve the patient consultation experience when research and discuss around subject of colorectal cancer.

We believe this AI assisstant can help many patients worldwide.

🏀💬🏉🥊⚾🏏🥊🏋️🥍🏑🔍🤿🏐⛳🤖

🔗 Fork this app

Chatbot Links

https://hack2023-vectara-withui-chatbot-k9uuqkefecwmsmgdvspbes.streamlit.app/

Thanks