



Gynae
GENIUS



Gynae Genius
Mama and Baby Care

OUR TEAM - TOP GUN



MALAIKA FAROOQ

Full Stack Developer



RUTHVIK

Aspiring AI engineer



FAREED

ML Engineer

OUR TEAM - TOP GUN



USAMA

IT Project Manager



LAIBA

Aspiring AI Engineer

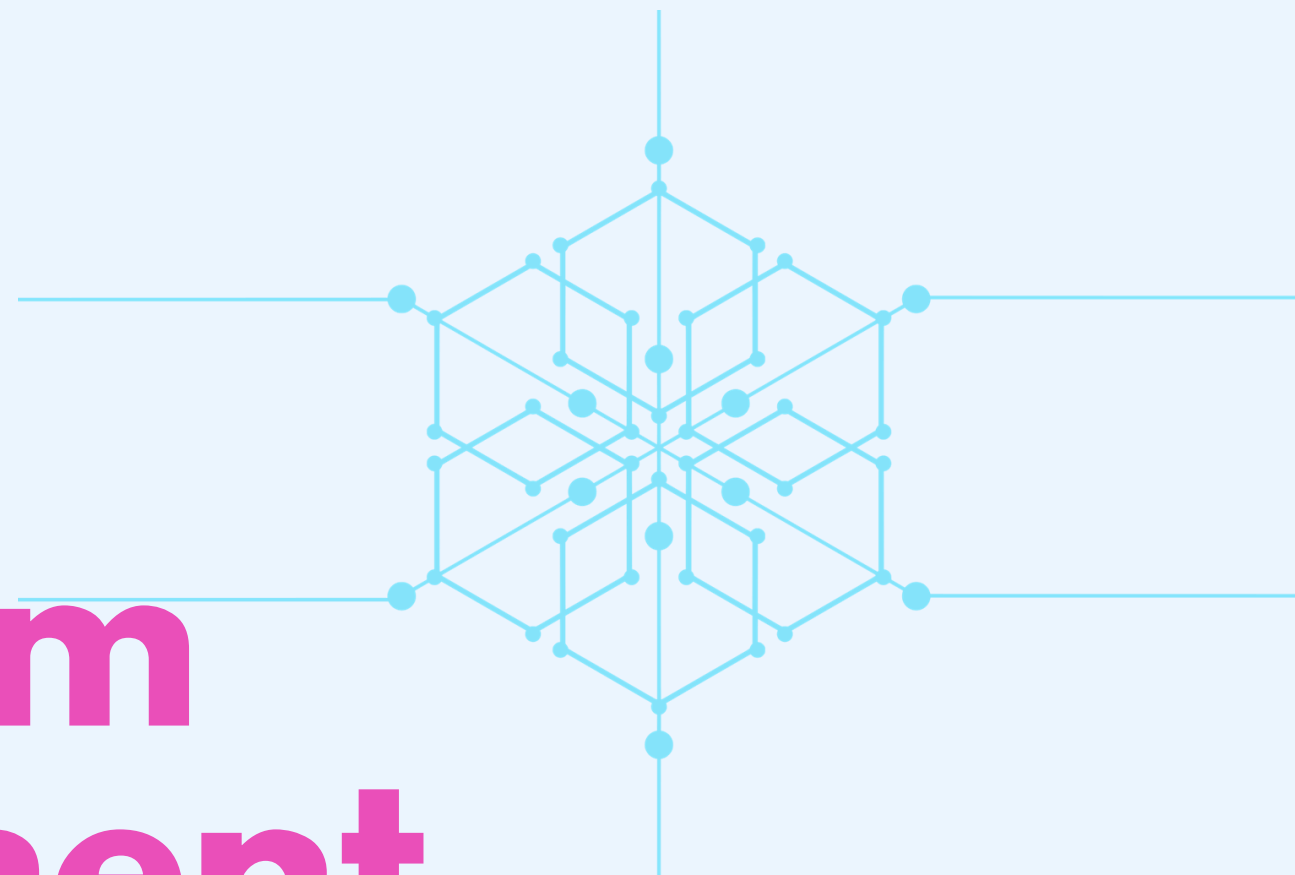


UMAR

Web Developer



Problem Statement



1

Neonatal mortality
rate

2

Pregnant women
worldwide are
anemic

3

Maternal Mortality
Rate

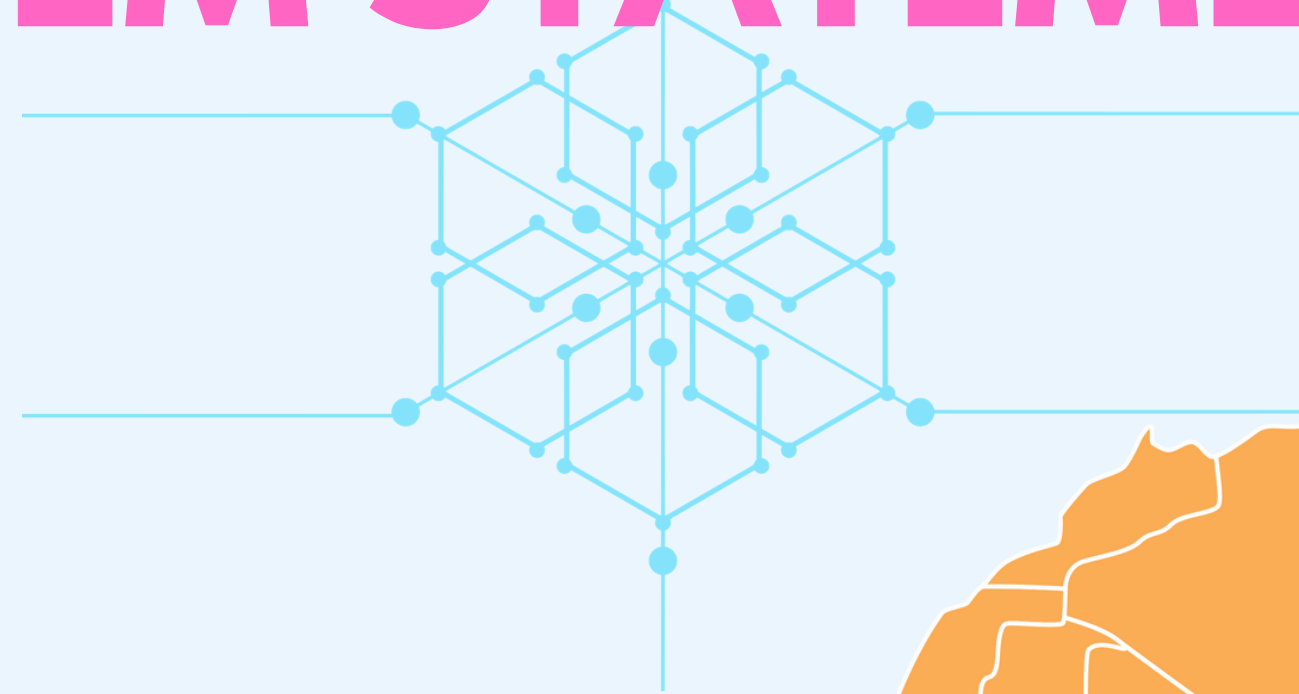
4

Comfortability for
Pregant women and
mothers



<https://gynaegenius-gynaebot.vercel.app/>

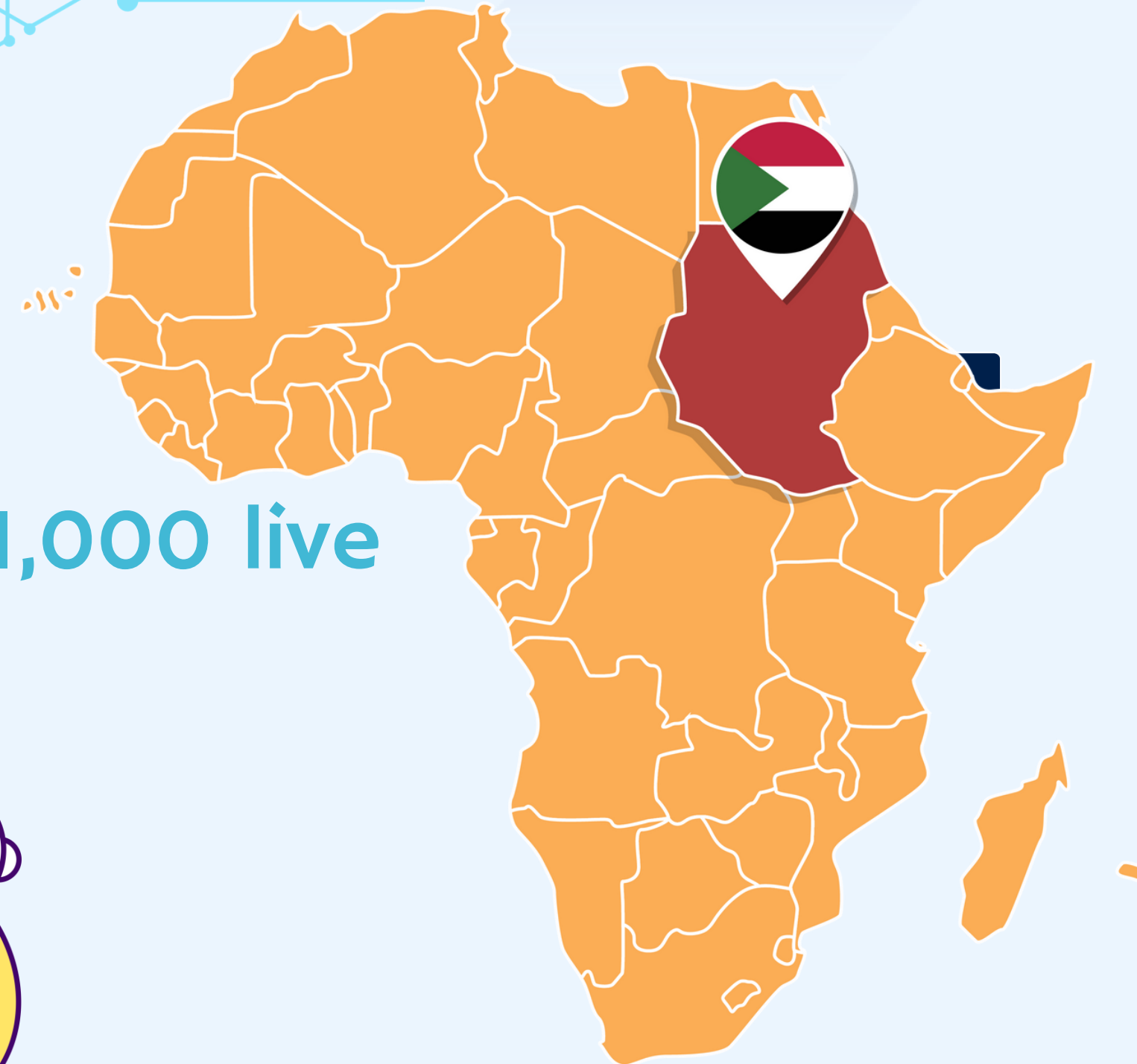
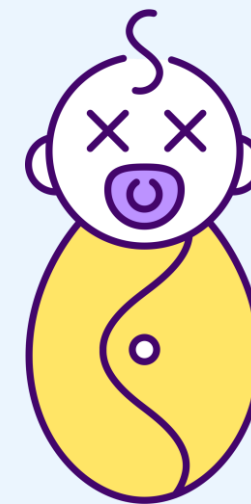
PROBLEM STATEMENT



1

Neonatal
mortality rate

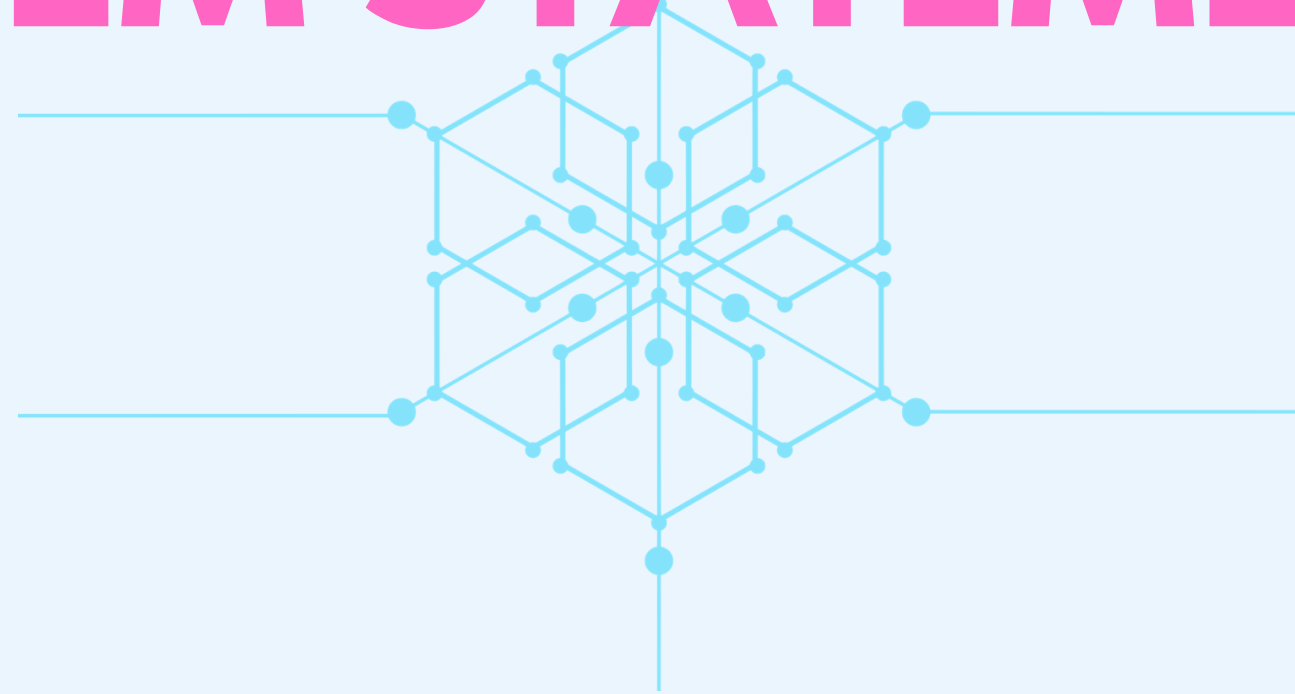
• 39.4 deaths per 1,000 live



<https://gynaegenius-gynaebot.vercel.app/>



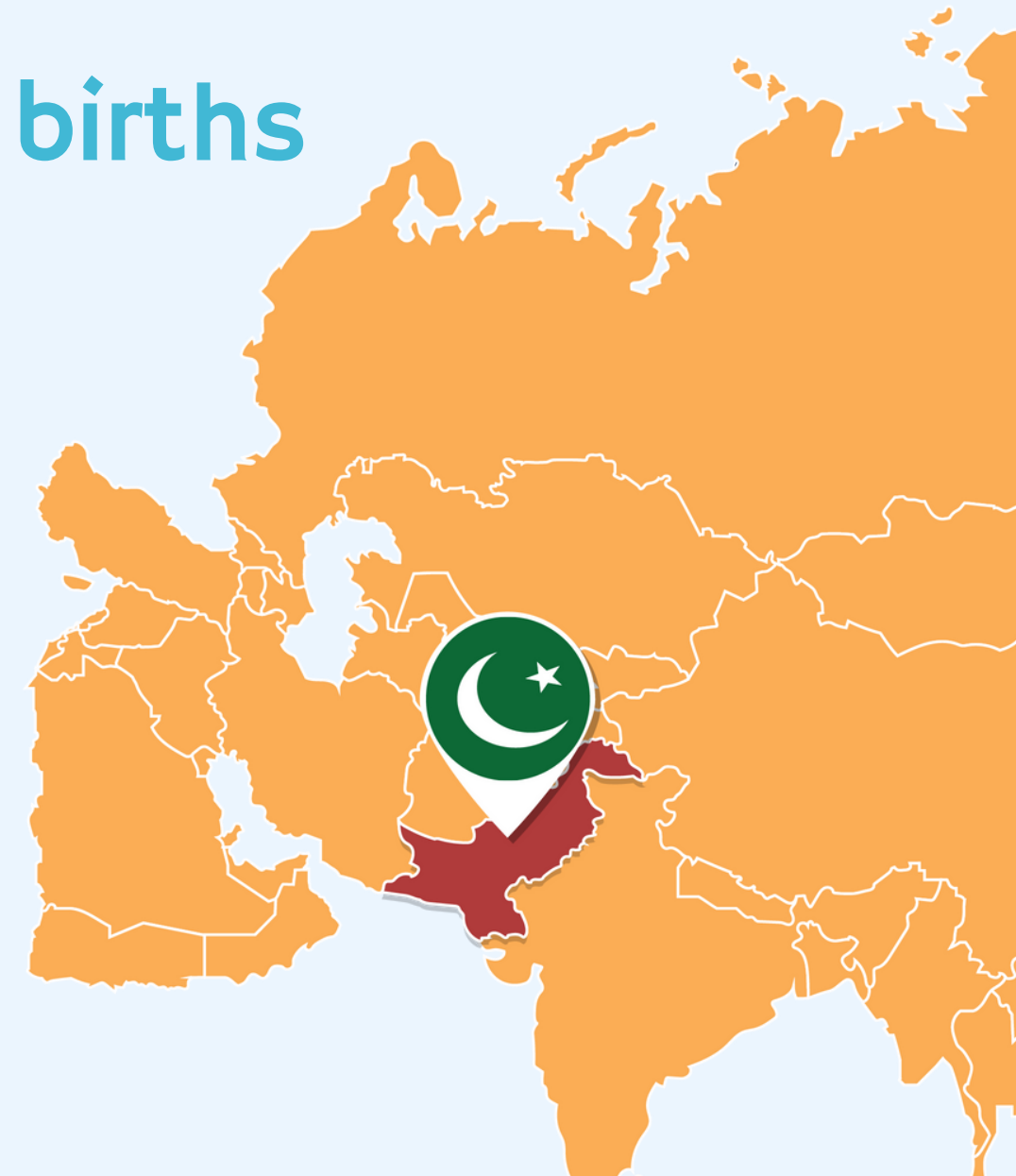
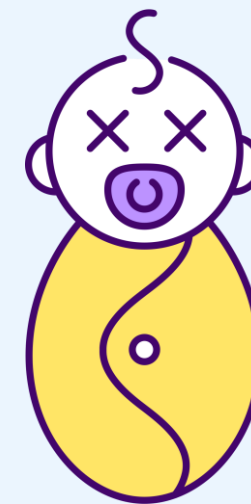
PROBLEM STATEMENT



1

- 15.4 deaths out of 1000 live births

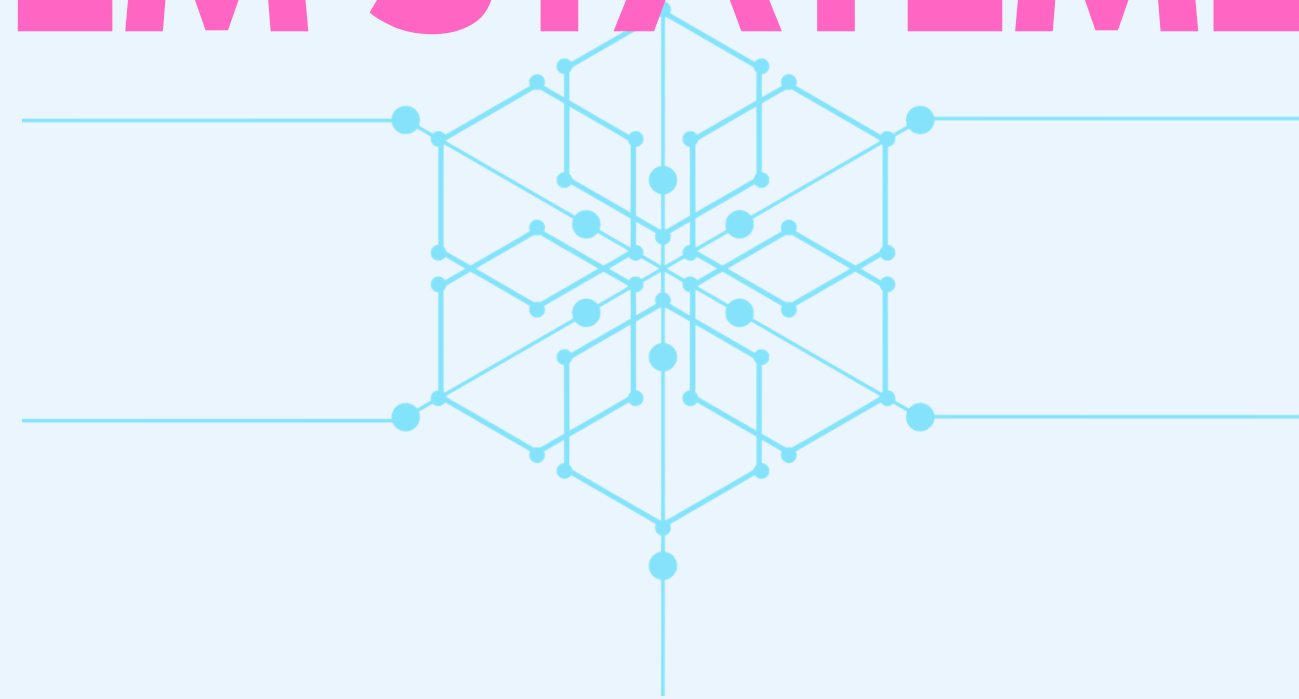
Neonatal
mortality rate



<https://gynaegenius-gynaebot.vercel.app/>



PROBLEM STATEMENT

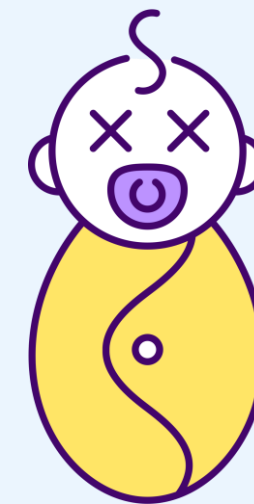


1

3.9 deaths per 1,000 live births

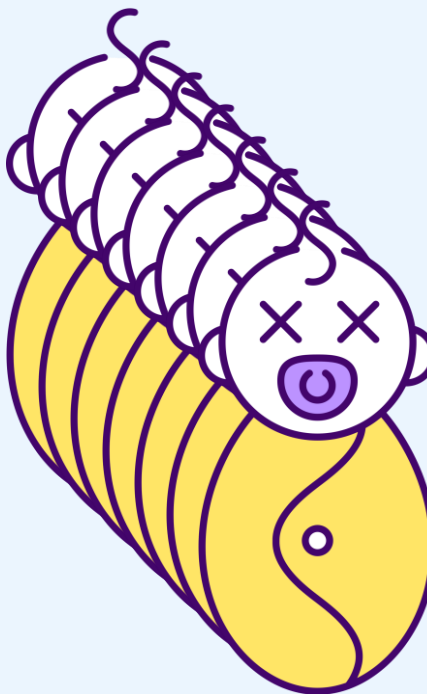
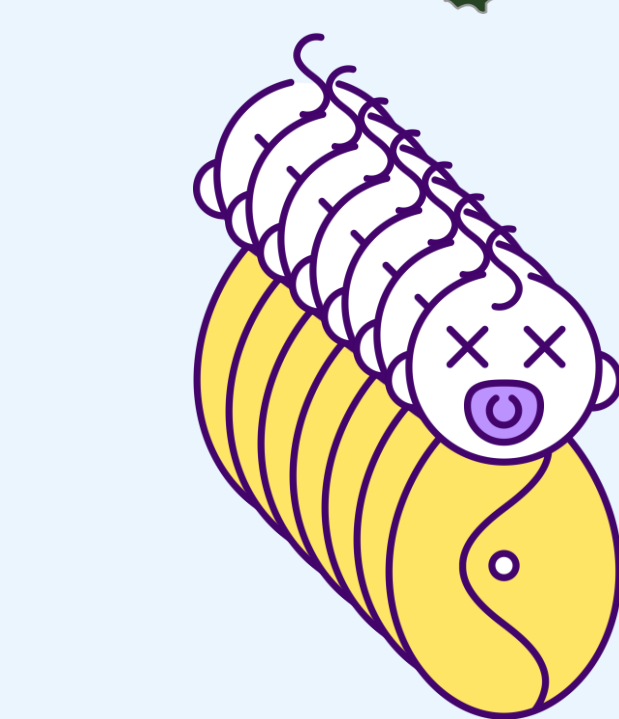
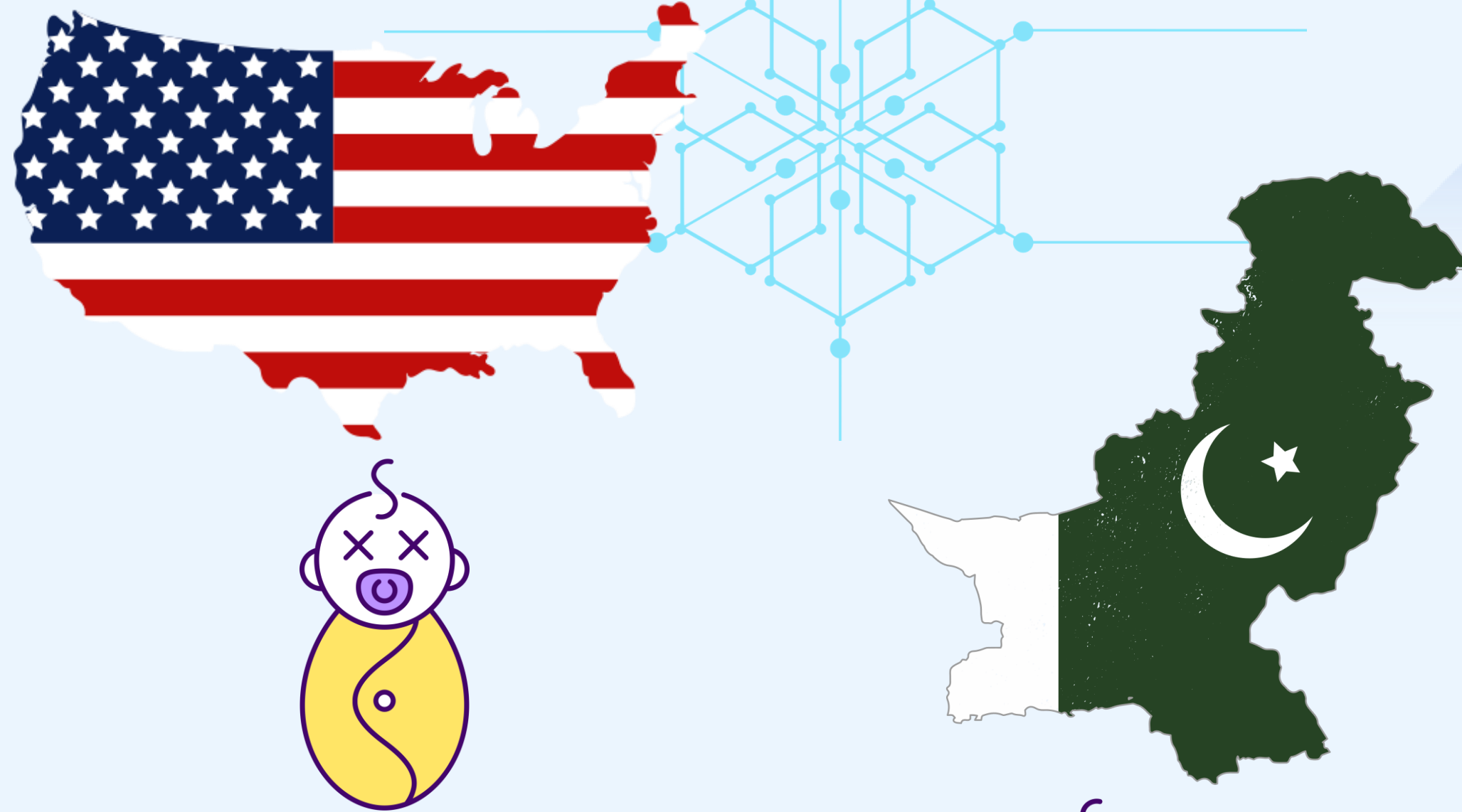
Neonatal
mortality rate

<https://gynaegenius-gynaebot.vercel.app/>





PROBLEM STATEMENT



1
Neonatal
mortality rate

<https://gynaegenius-gynaebot.vercel.app/>



PROBLEM STATEMENT



2

38% of pregnant women
worldwide are anemic

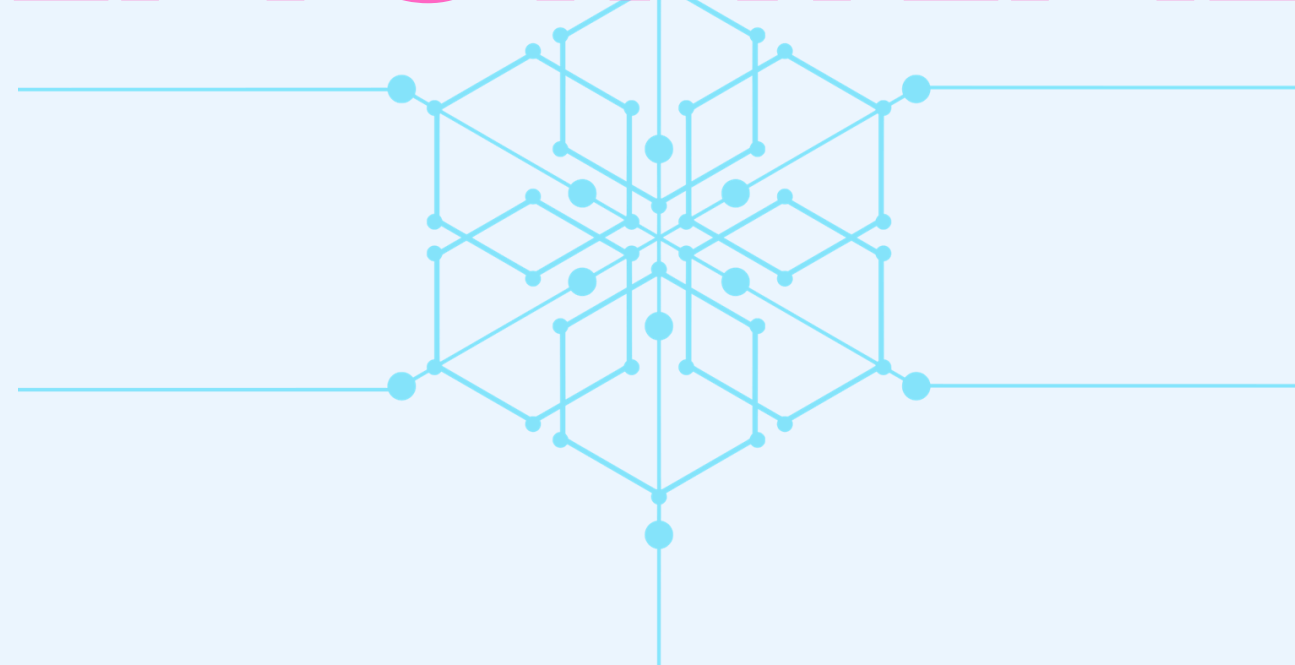
Pregnant women
worldwide are
anemic



<https://gynaegenius-gynaebot.vercel.app/>



PROBLEM STATEMENT



2

Pregnant women
worldwide are
anemic

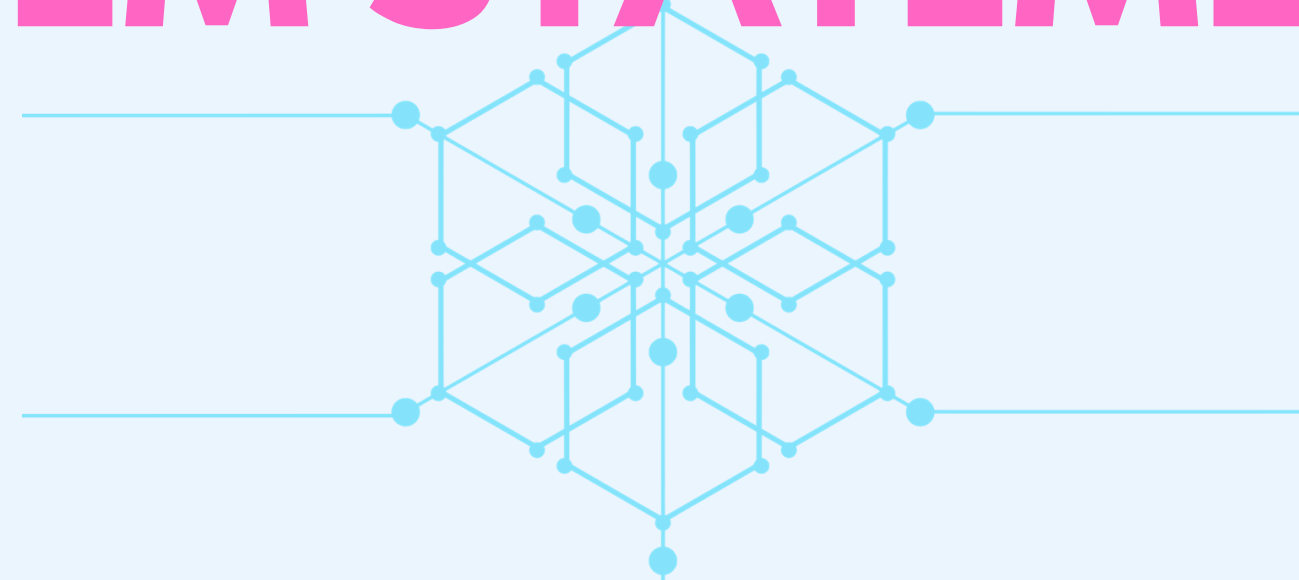
27 million pregnancies annually
in India, over 14 million
pregnant women are likely to
be **ANEMIC**



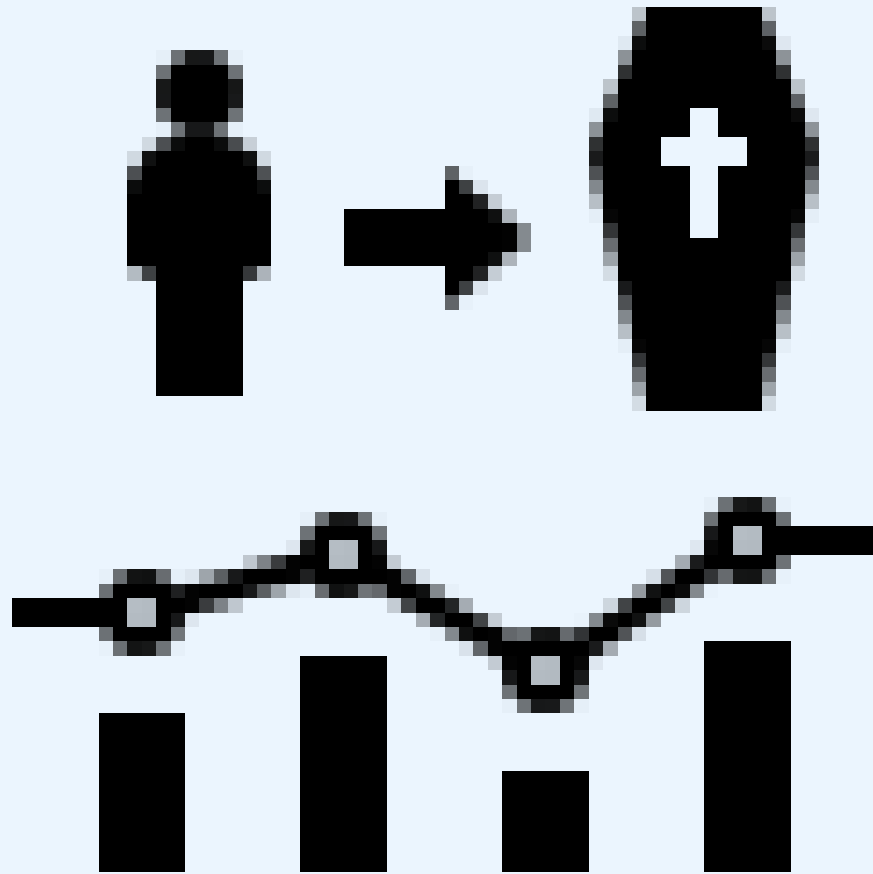
<https://gynaegenius-gynaebot.vercel.app/>



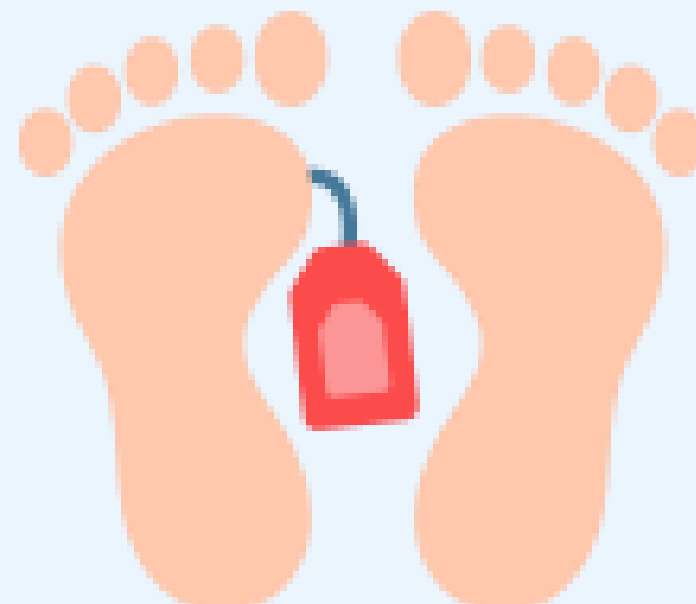
PROBLEM STATEMENT



Maternal mortality rate is 223 deaths
per 100,000 live births



3

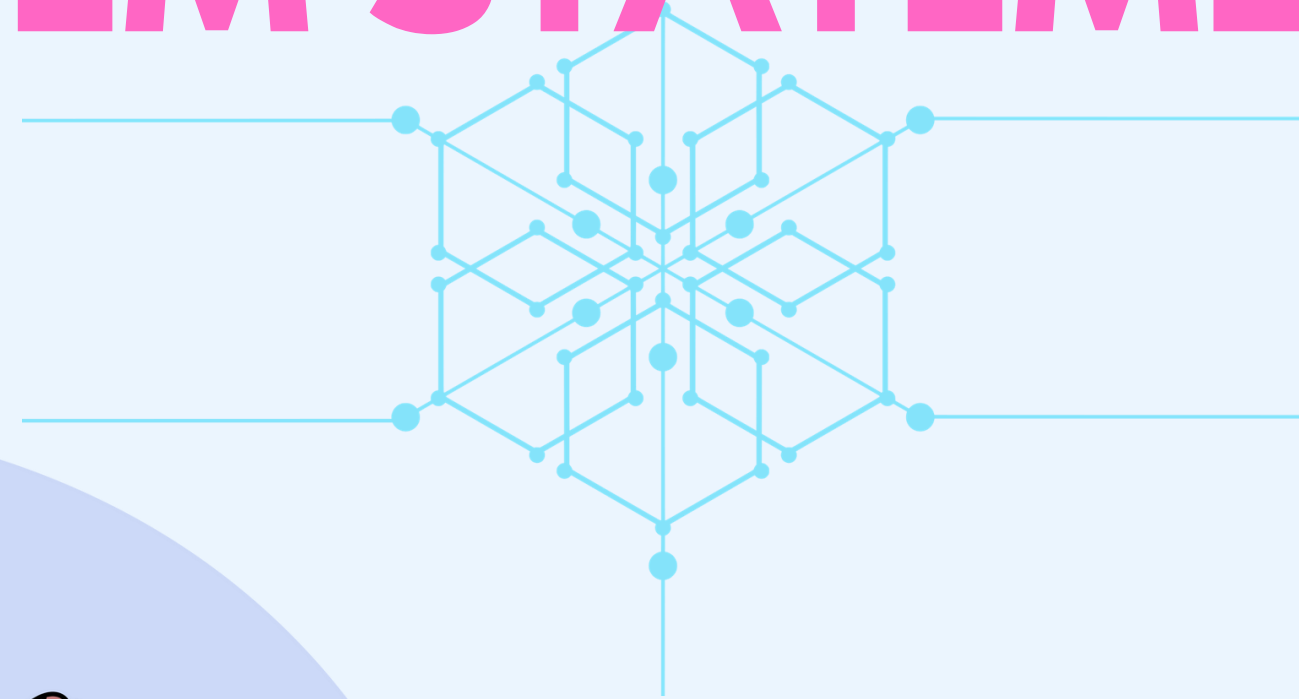


Maternal Mortality Rate

<https://gynaegenius-gynaebot.vercel.app/>



PROBLEM STATEMENT

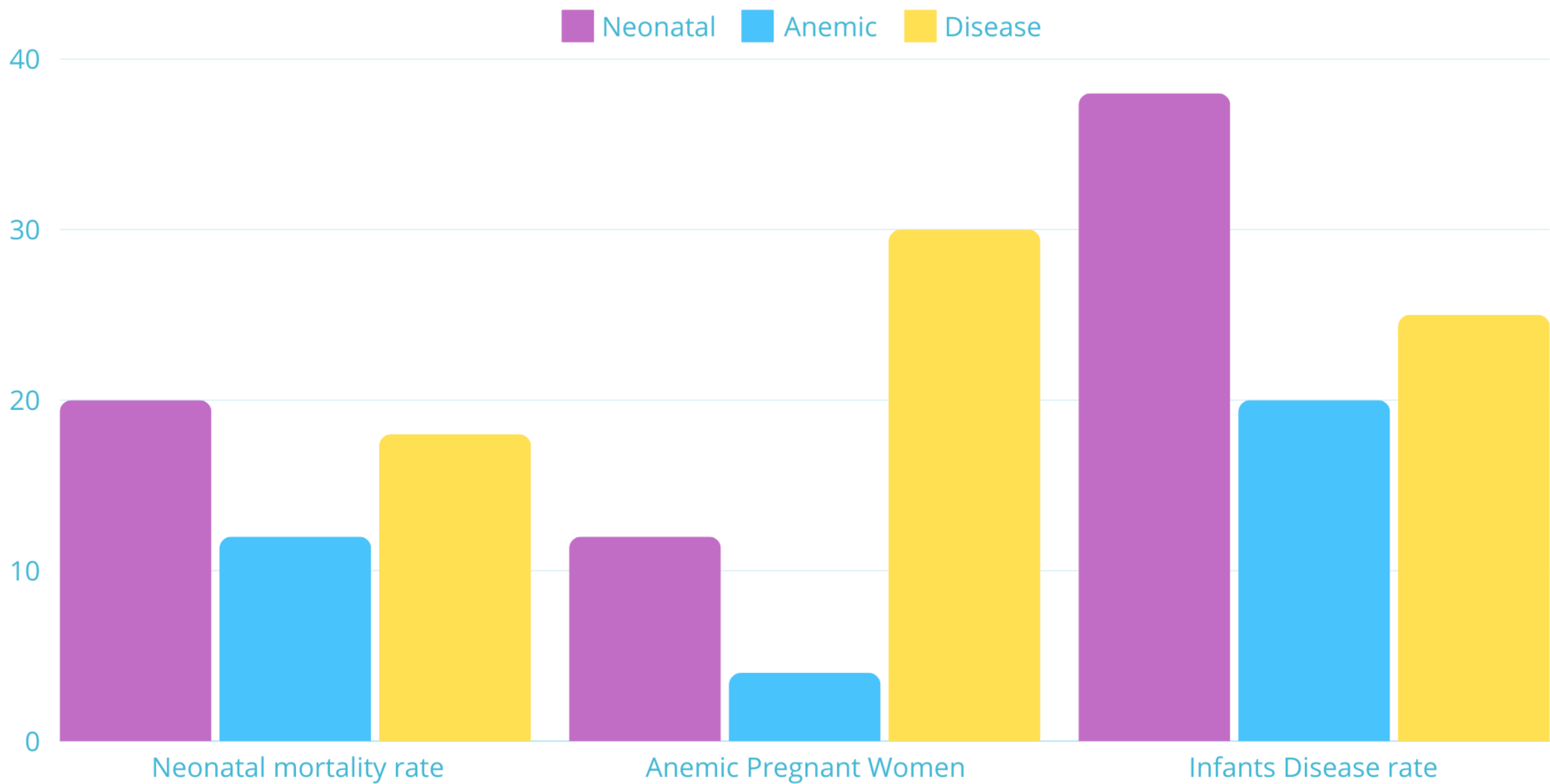


4



<https://gynaegenius-gynaebot.vercel.app/>

Comfortability of Pregnant women and mothers to share with female doctor



WE HAVE GOT THE SOLUTION



Gynae Genius
Mama and Baby Care

GyneGenius is bridging the GAP

Solved!

They get personalized answer in seconds for their deepest issues.



WE HAVE GOT THE SOLUTION



Gynae Genius
Mama and Baby Care

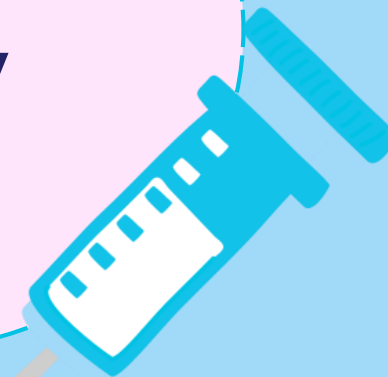
GyneGenius is bridging the GAP

Solved!

They get personalized answer in seconds for their deepest issues.

Solved

Women have their personal doctor at just a click away



WE HAVE GOT THE SOLUTION



Gynae Genius
Mama and Baby Care

GyneGenius is bridging the GAP

Solved!

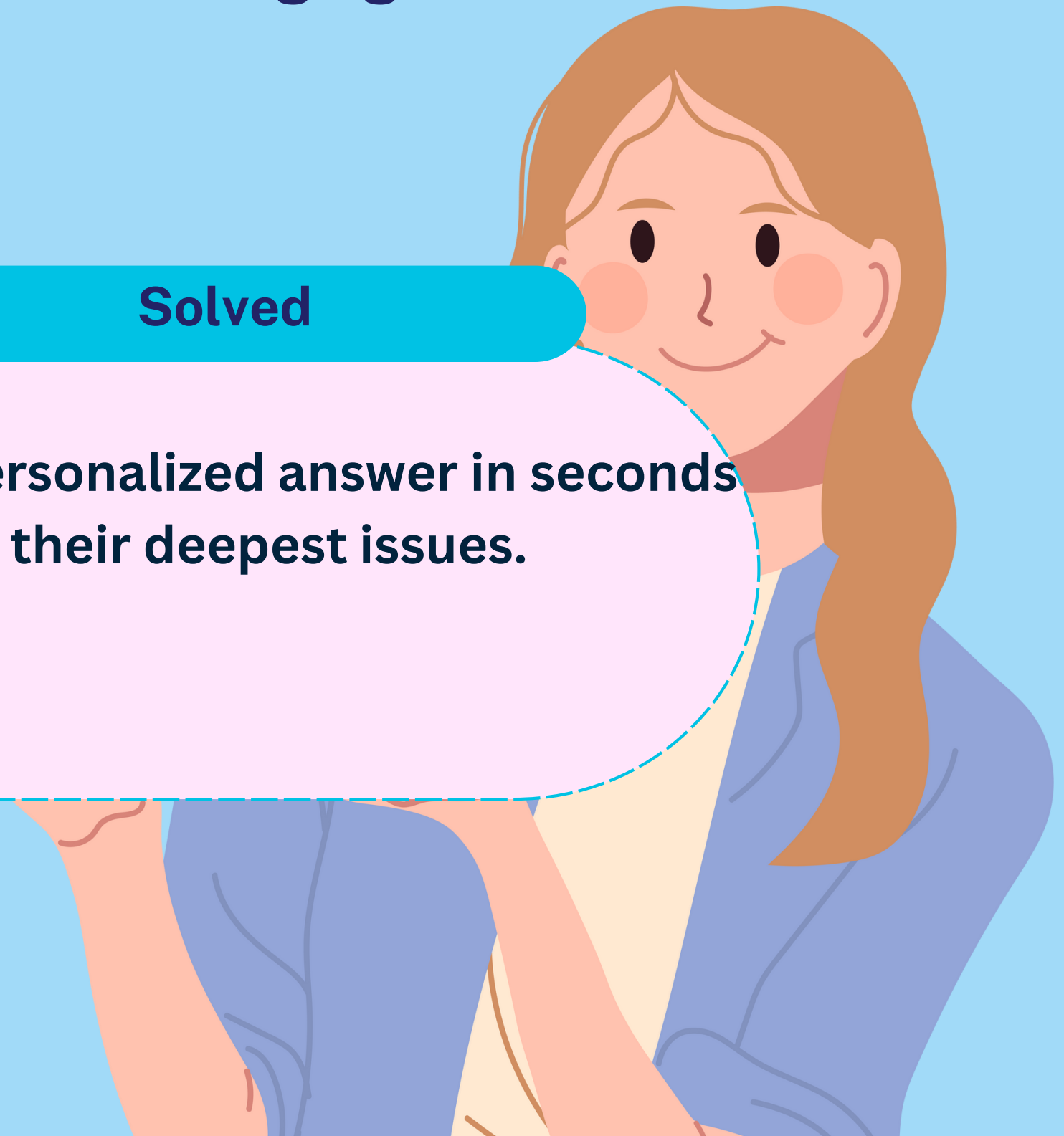
They get personalized answer in seconds for their deepest issues.

Solved

Women have their personal doctor at just a click away

Solved

They get personalized answer in seconds for their deepest issues.



WE HAVE GOT THE SOLUTION



Gynae Genius
Mama and Baby Care

GyneGenius is bridging the GAP

Solved!

They get personalized answer in seconds for their deepest issues

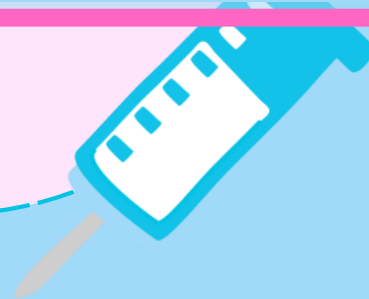
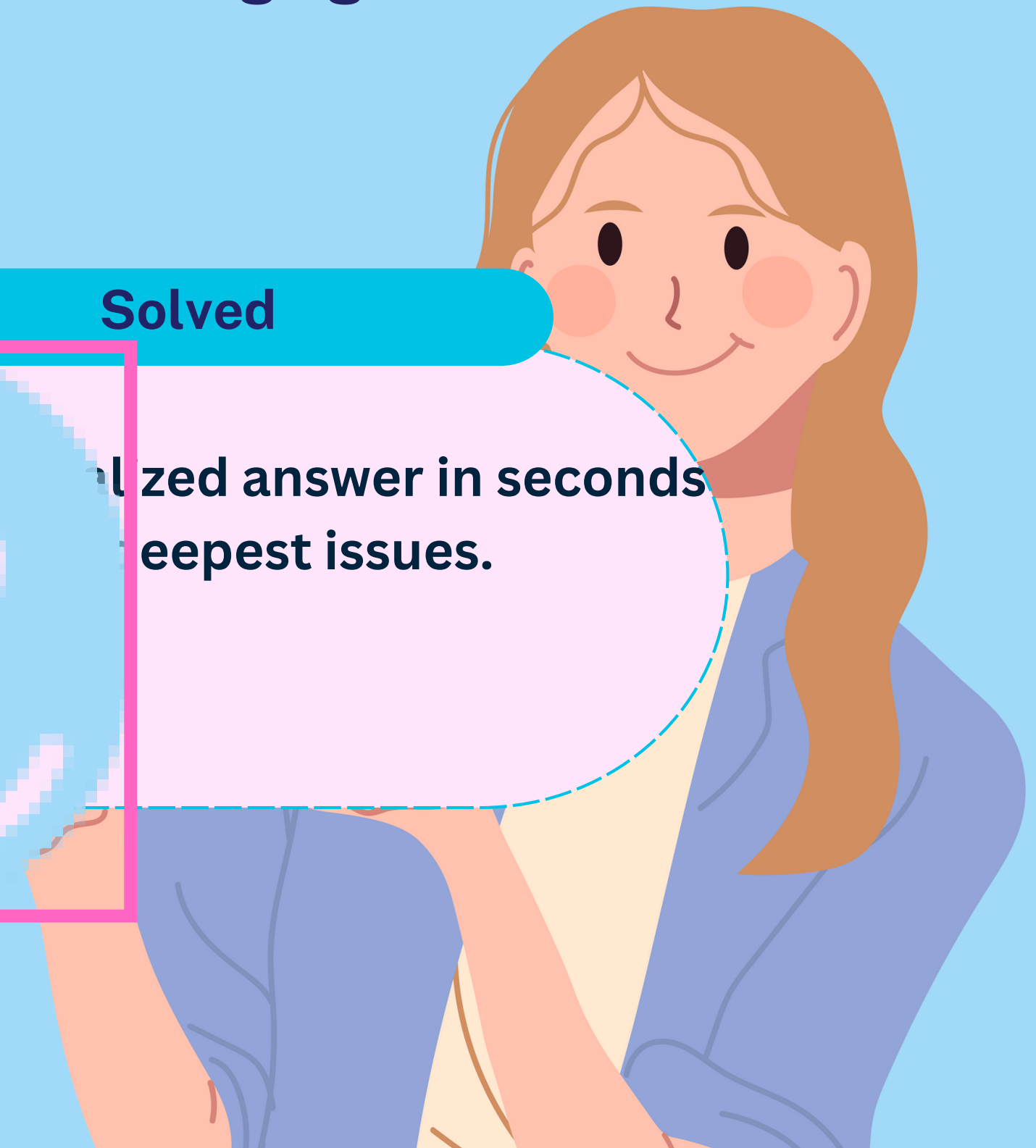
Solved

Personalized answer in seconds for their deepest issues.

Solved

Women have the doctor at just a click

Free!





Gynae Genius
Mama and Baby Care

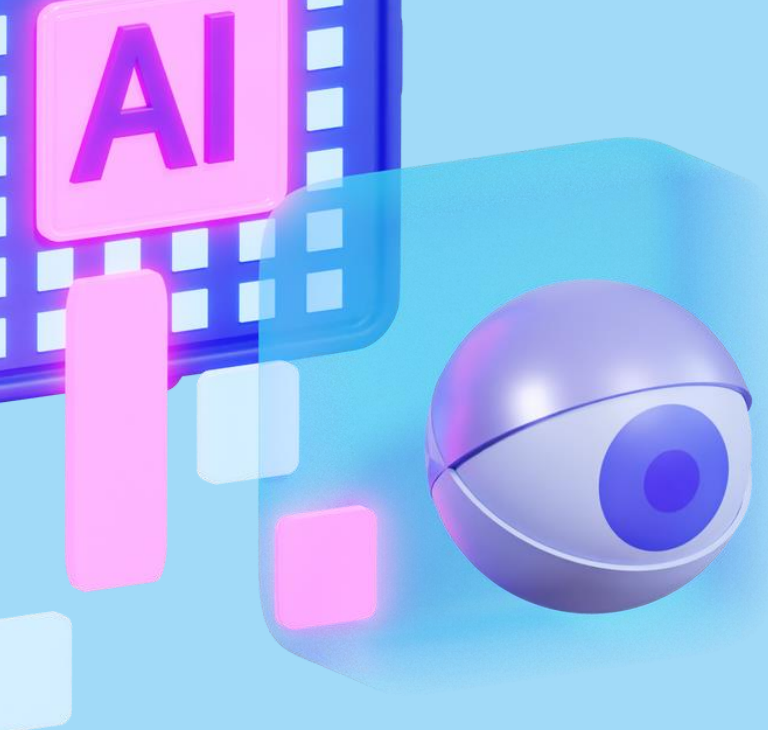
MARKET OPPORTUNITY

The total addressable market is of (TAM)\$665 billion

Serviceable Available Market (SAM) is of \$1.2 trillion annually

Serviceable Obtainable Market (SOM) at 2% is 24 billion annually



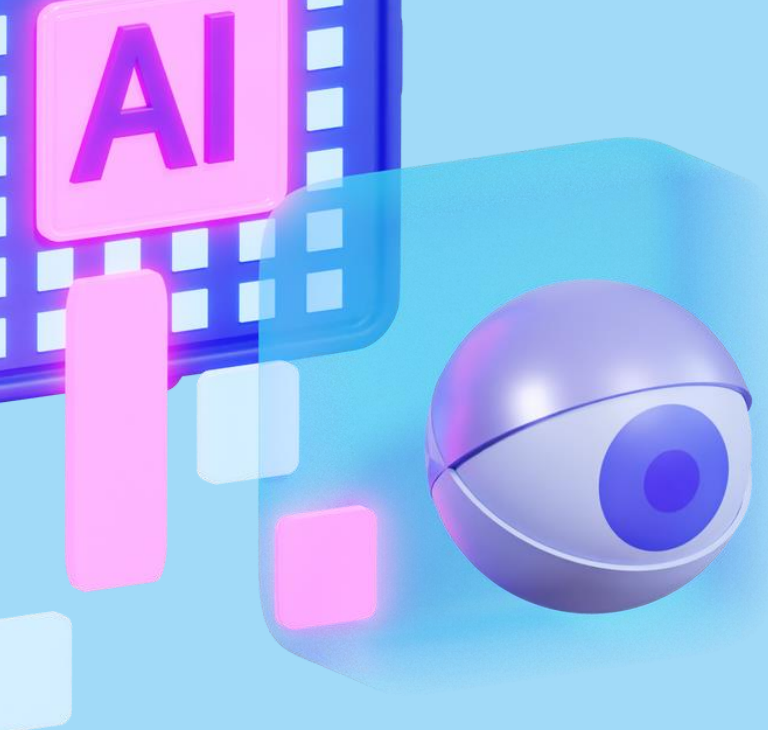


COMPETATIVE ANALYSIS



better result than Google Gemini and Medollama

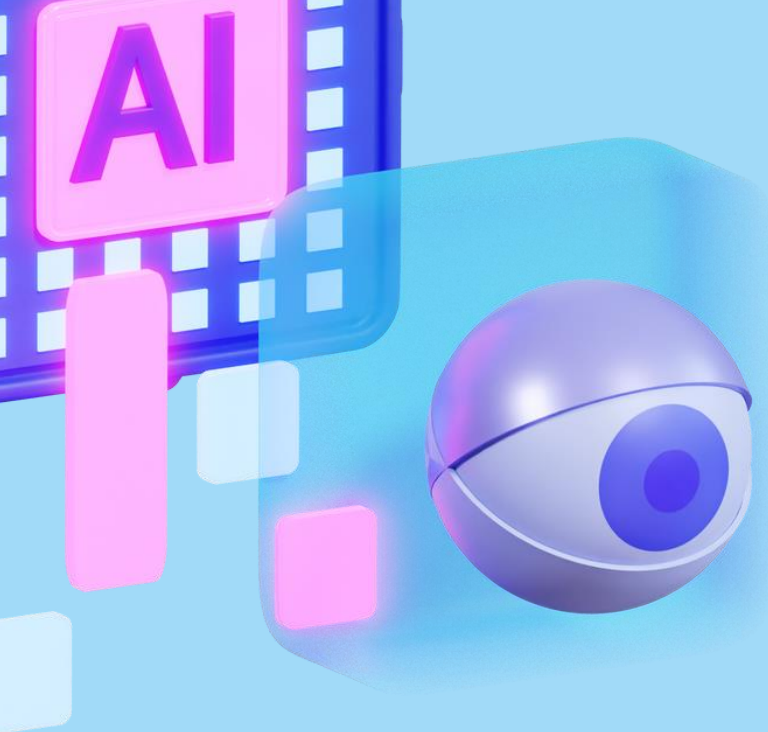




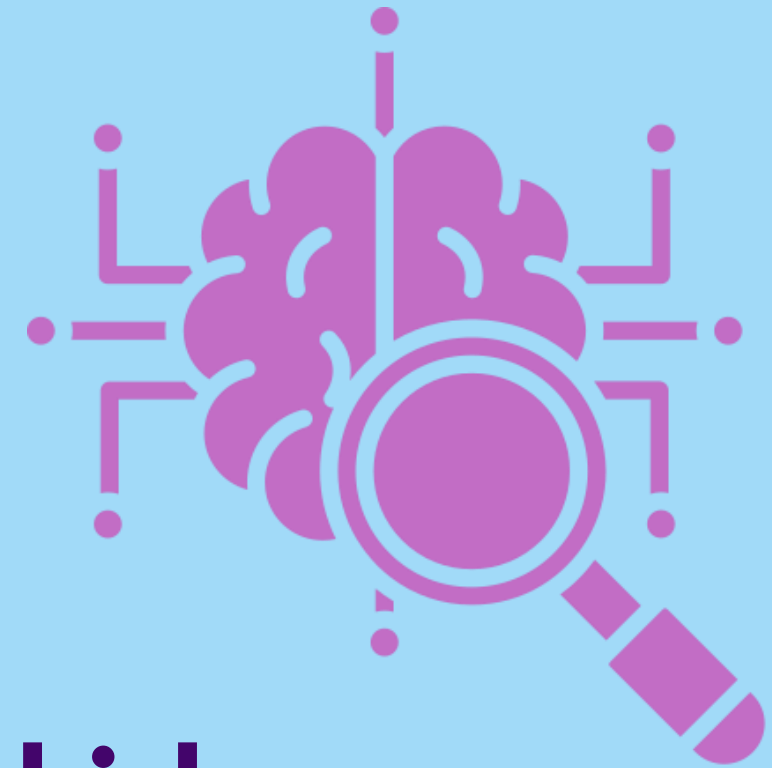
COMPETATIVE ANALYSIS

**APPS LIKE “WHAT TO EXPECT”
DO NOT OFFER A PERSONALISED
ADVICE**



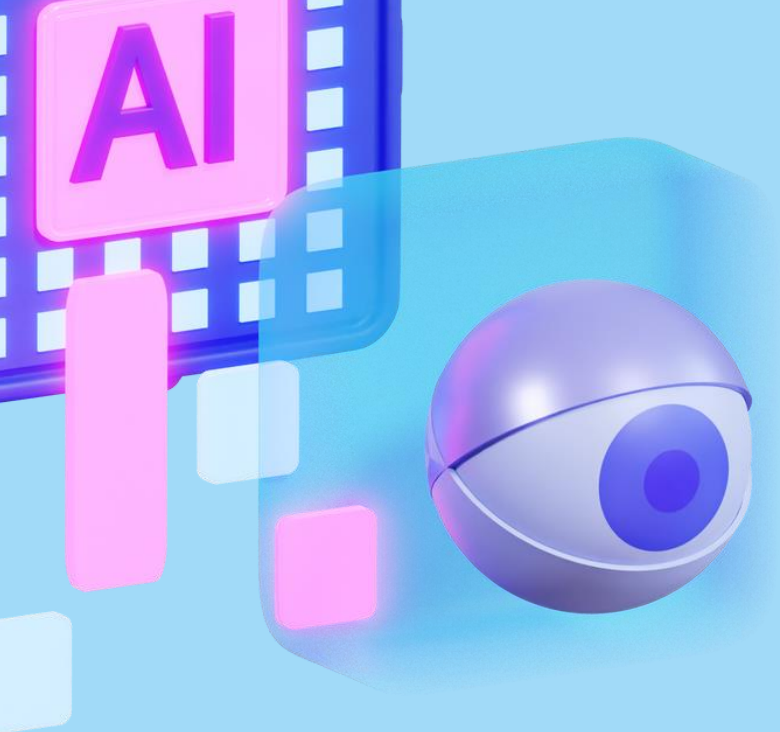


COMPETATIVE ANALYSIS



✦ **Retrieval-Augmented Generation (RAGs) which reduces the overhead cost of API from LLMs ie Vector data base (encoding words)**





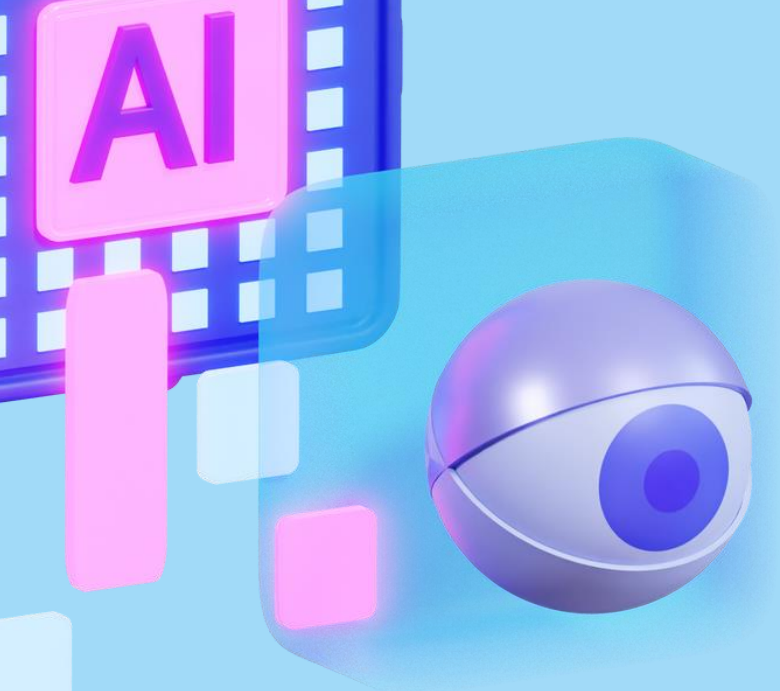
PRICING STRATEGY

Free Tier:

Basic Features

- Users get access  to essential features of the reporting
- Provides personalized medical consultancy





PRICING STRATEGY



Gynae Genius
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Premium Tier



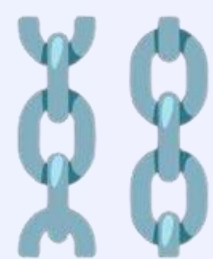
Advanced Features

- All free tier features
- Enables uploading of Ultrasound and receive radiologist reports
- Drugs comparison analysis



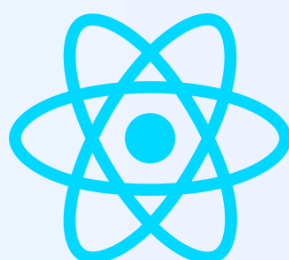
Subscription or One-Time Payment: The premium tier can be accessed via a subscription model (\$5 monthly or \$50 yearly payment)






Streamlit

Technologies we used

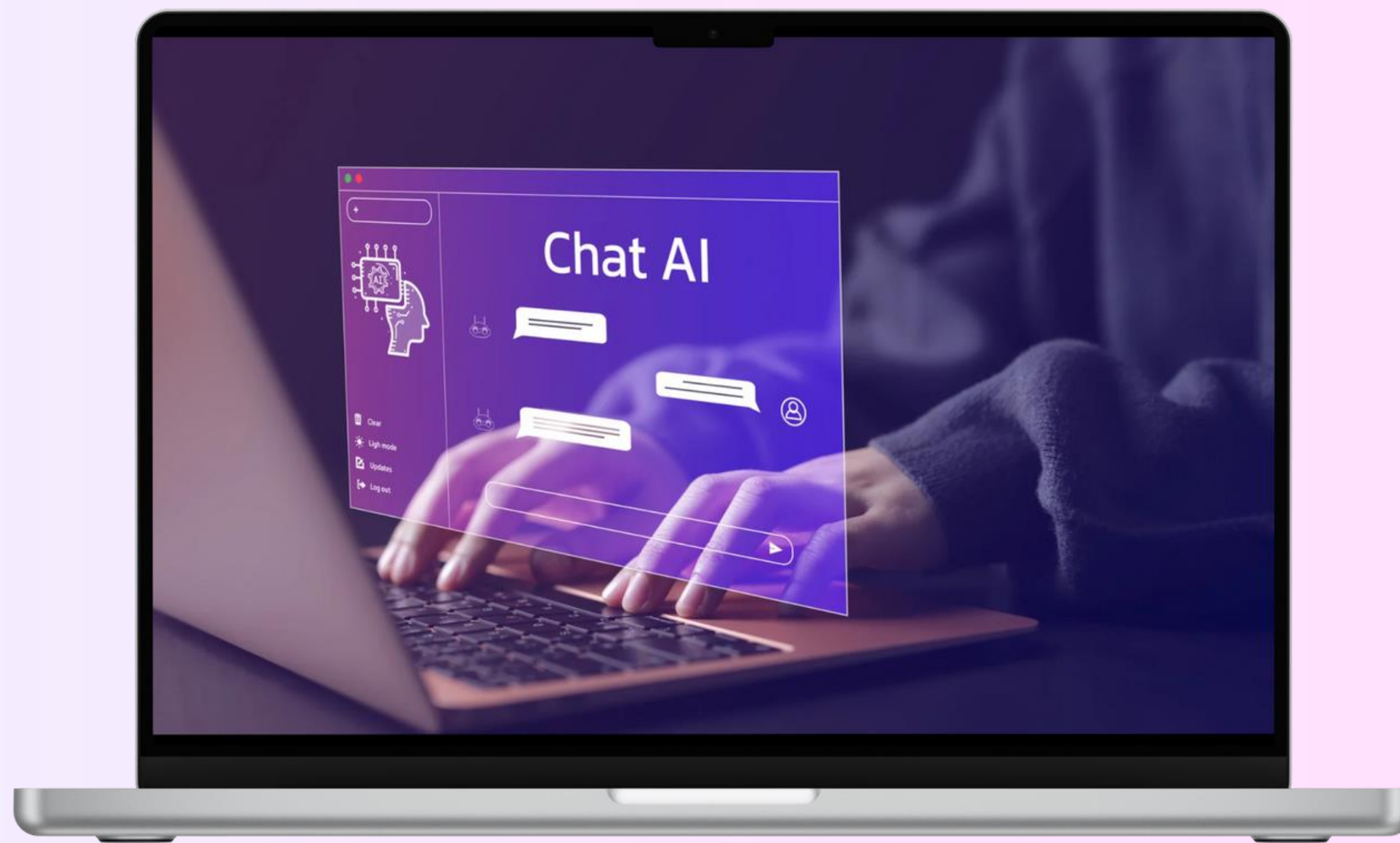
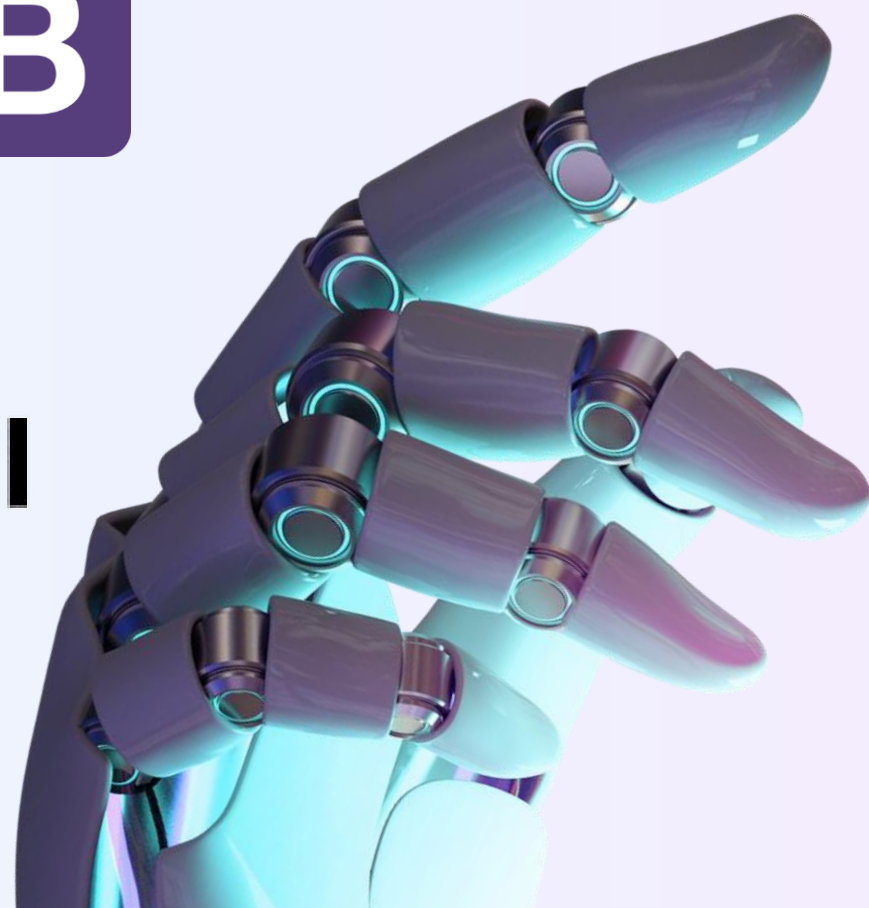


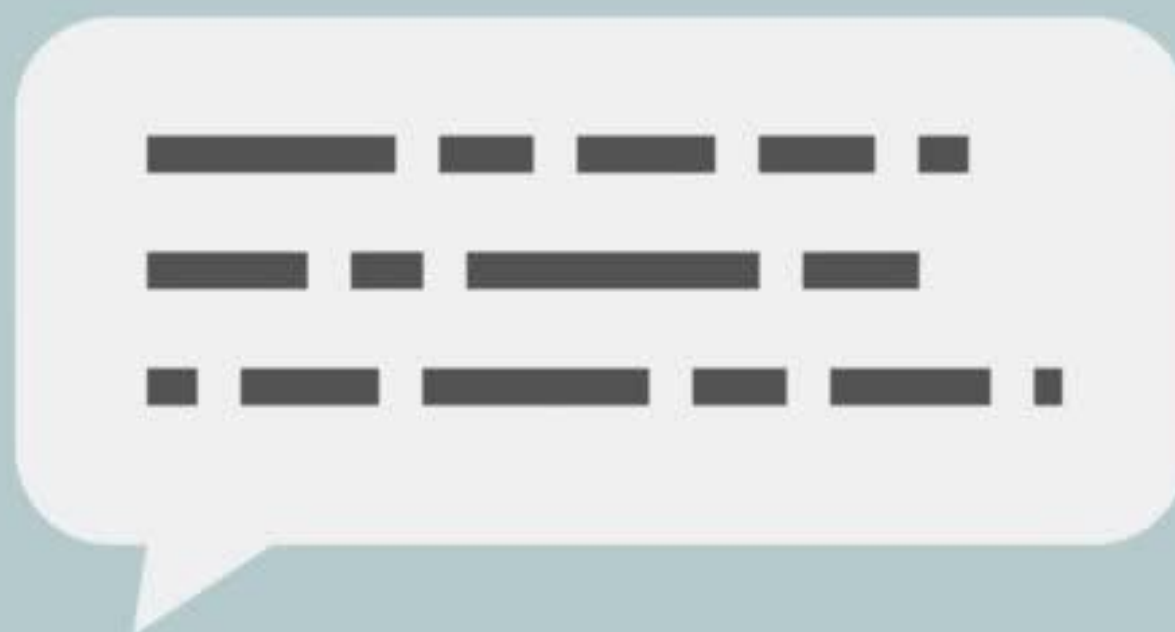
 OpenAI

 Vercel



 AI/ML API







Meet your GynaeGenius

This is a GynaeGenius bot to generate responses based on your symptoms. Please feel free to ask questions. To use this app, you need to provide a key provided to you.



Hello! I'm GynaeGenius, your AI assistant for maternal and infant health queries. How can I help you today?

Type your question here...





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what medicines can i take to reduce the risk of having a baby with a serious birth defect of the brain and spinal cord



Generating response...

Type your question here...



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Folic acid is the key vitamin to focus on when trying to reduce the risk of neural tube defects, such as spina bifida, in a developing baby. It is recommended to take additional folic acid if you are at an increased risk of having a baby with a neural tube defect due to factors like a family history of spina bifida or the use of anti-epileptic medications. Consult your doctor to discuss your specific needs and determine the appropriate dosage. They may also refer you for genetic counseling for further guidance.

It is also important to maintain a healthy diet and lifestyle during pregnancy, as street drugs and alcohol can be extremely harmful to the developing baby and increase the chances of birth defects.

Type your question here...





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Generating response...

Type your question here...



Chat Input ⚠️

Get chat inputs from the Playground.

Test

Type something...

Message

Cohere Embeddings

Generate embeddings using Cohere models.

Cohere API Key

Embeddings

Astra DB

Implementation of Vector Store using Astra DB with search capabilities

Collection Name

medical_info

Astra DB Application Token

API Endpoint

Search Input

Type something...

Ingest Data

Embedding or Astra Vectorize

Retriever

Search Results

Parse Data ⚠️

Convert Data into plain text following a specified template.

Template

{text}

Data

Text

Prompt ⚠️

Create a prompt template with dynamic variables.

Template

{context} --- Assume you are a highly exper...

context

Type something...

question

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General

Cohere




.....

Temperature


0.75

Input


Type something...

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
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


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
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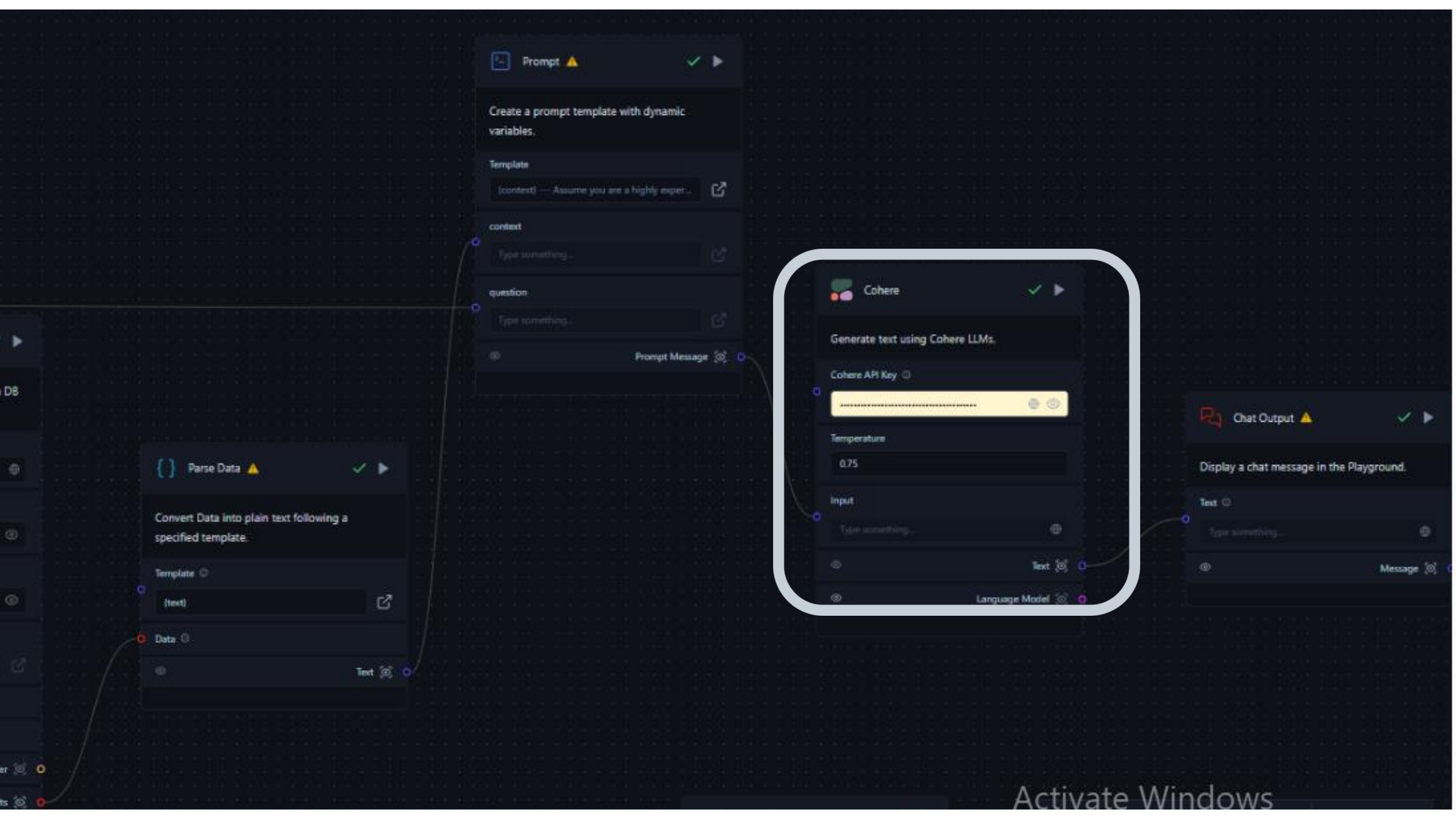
context

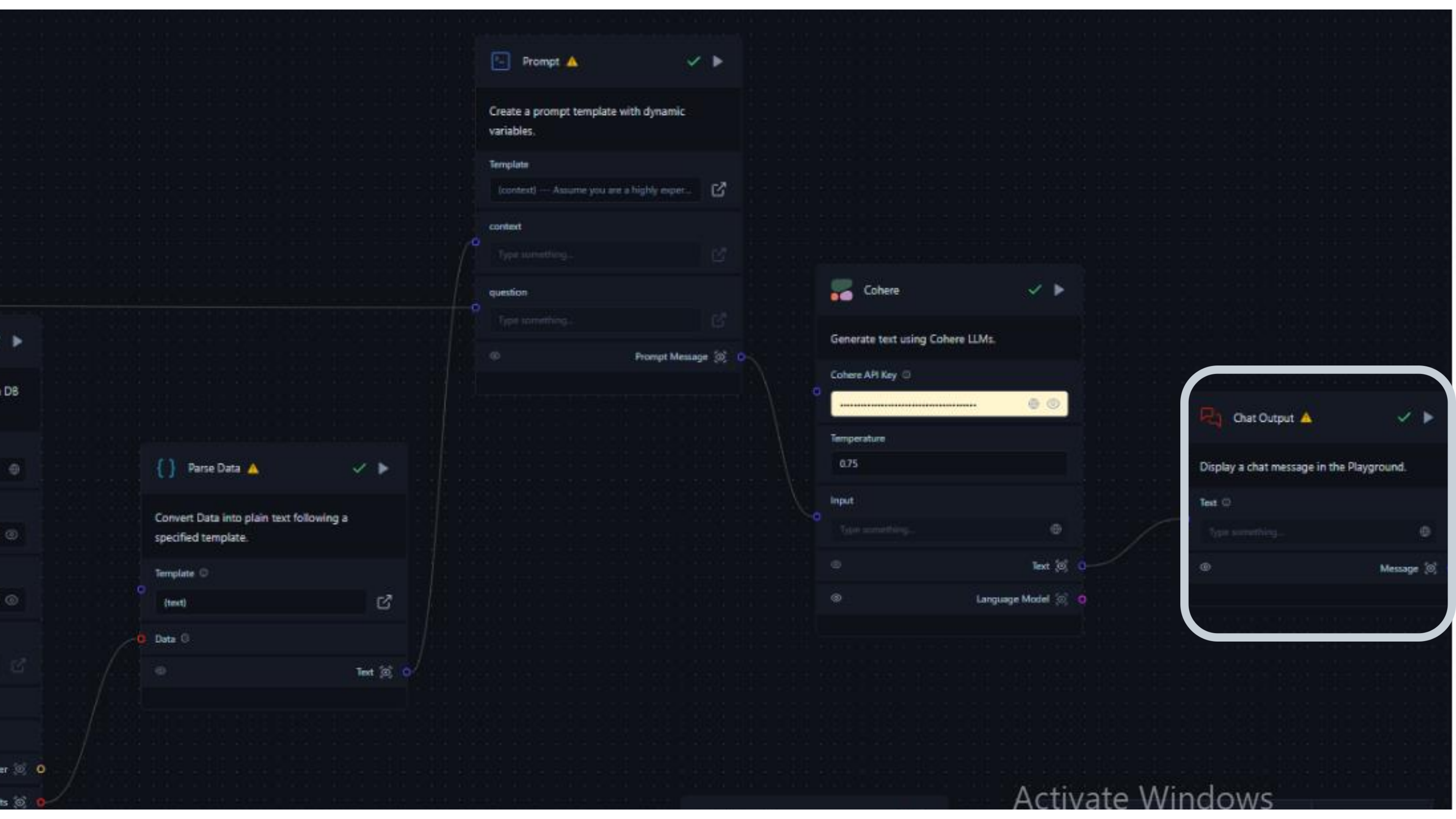
Type something...

question

Type something...

Prompt Message





File

A generic file loader.

Path

9789241565493-eng.pdf

Data

Split Text

Split text into chunks based on specified criteria.

Data Inputs

Chunk Overlap

200

Chunk Size

1000

Separator

Type something...

Chunks

Cohere Embeddings

Generate embeddings using Cohere models.

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Astra DB

Implementation of Vector Store using Astra DB with search capabilities

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Search Results


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Type something... 



 **Chunks** 



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 **Embeddings** 





 **Astra DB**  



Implementation of Vector Store using Astra DB with search capabilities





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medical_info 


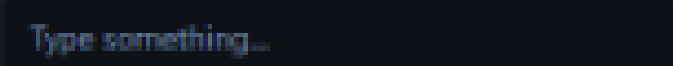
Astra DB Application Token  


   



API Endpoint  



   

Search Input

 **Ingest Data**

 **Retriever** 

 **Search Results** 

[HOME](#)[SERVICES](#)[ABOUT](#)[FAQ](#)[CONTACT](#)

WOMEN HEALTHCARE, A CHAT AWAY!!

This website is specially designed to help pregnant women, mothers, and their infants by providing comprehensive support and information on various health concerns.

[Try GynaeGenius Bot Now!](#)

Activate Windows

Go to Settings to activate Windows.