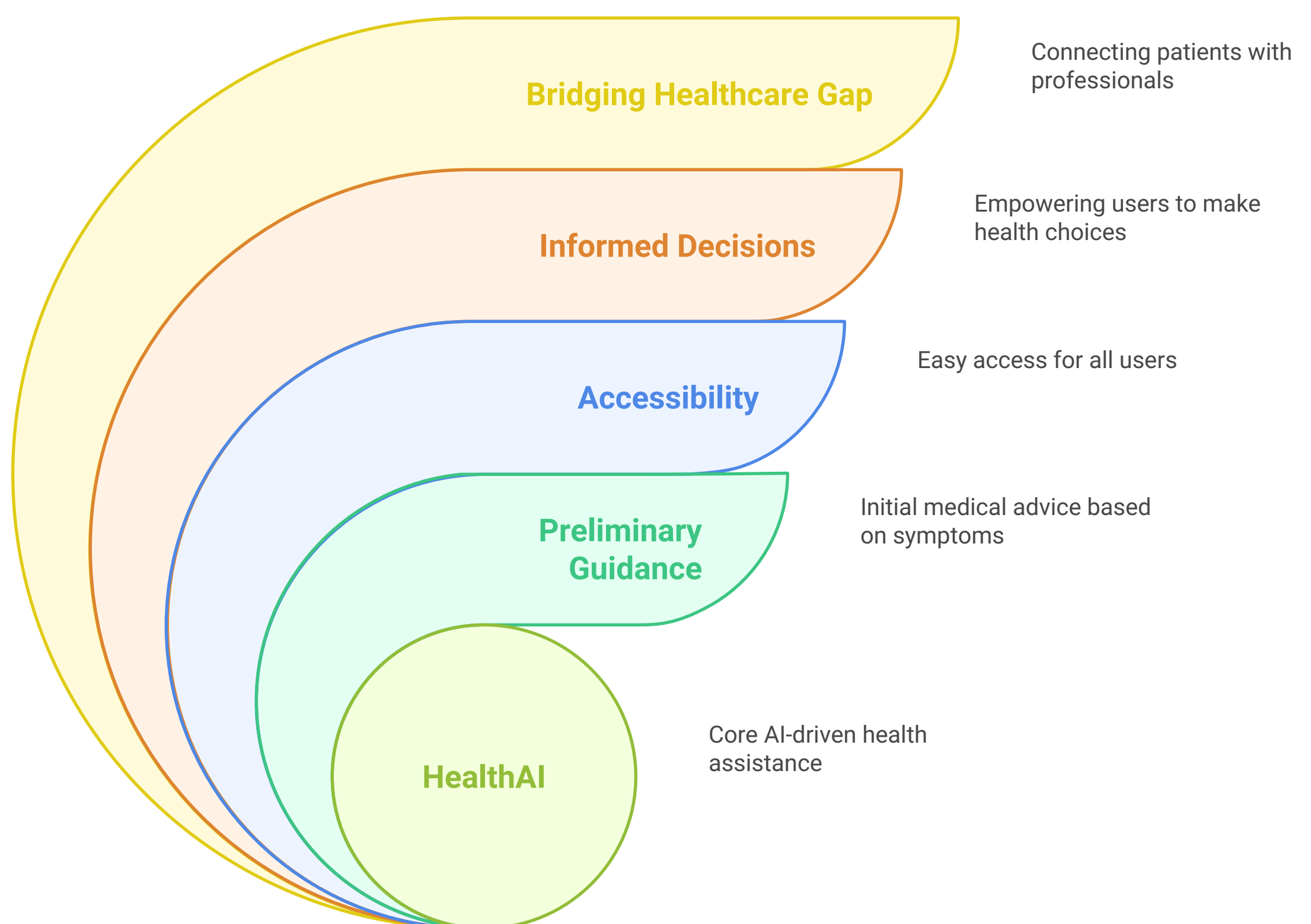




HealthAI – Intelligent Healthcare Assistant

HealthAI is an AI-powered healthcare assistant designed to provide quick, accessible, and reliable medical guidance to users based on their symptoms. This system aims to bridge the gap between patients and healthcare professionals, particularly for individuals in rural areas, elderly people, or those with limited access to hospitals. By leveraging transformer-based models and natural language processing, HealthAI can interpret user input and offer suggestions regarding potential health conditions, urgency levels, and recommended next steps. The application features a user-friendly interface built with Streamlit, integrated with MySQL for secure login and registration, ensuring fast, safe, and private health advice to support informed decision-making without relying on unreliable sources.

Overview



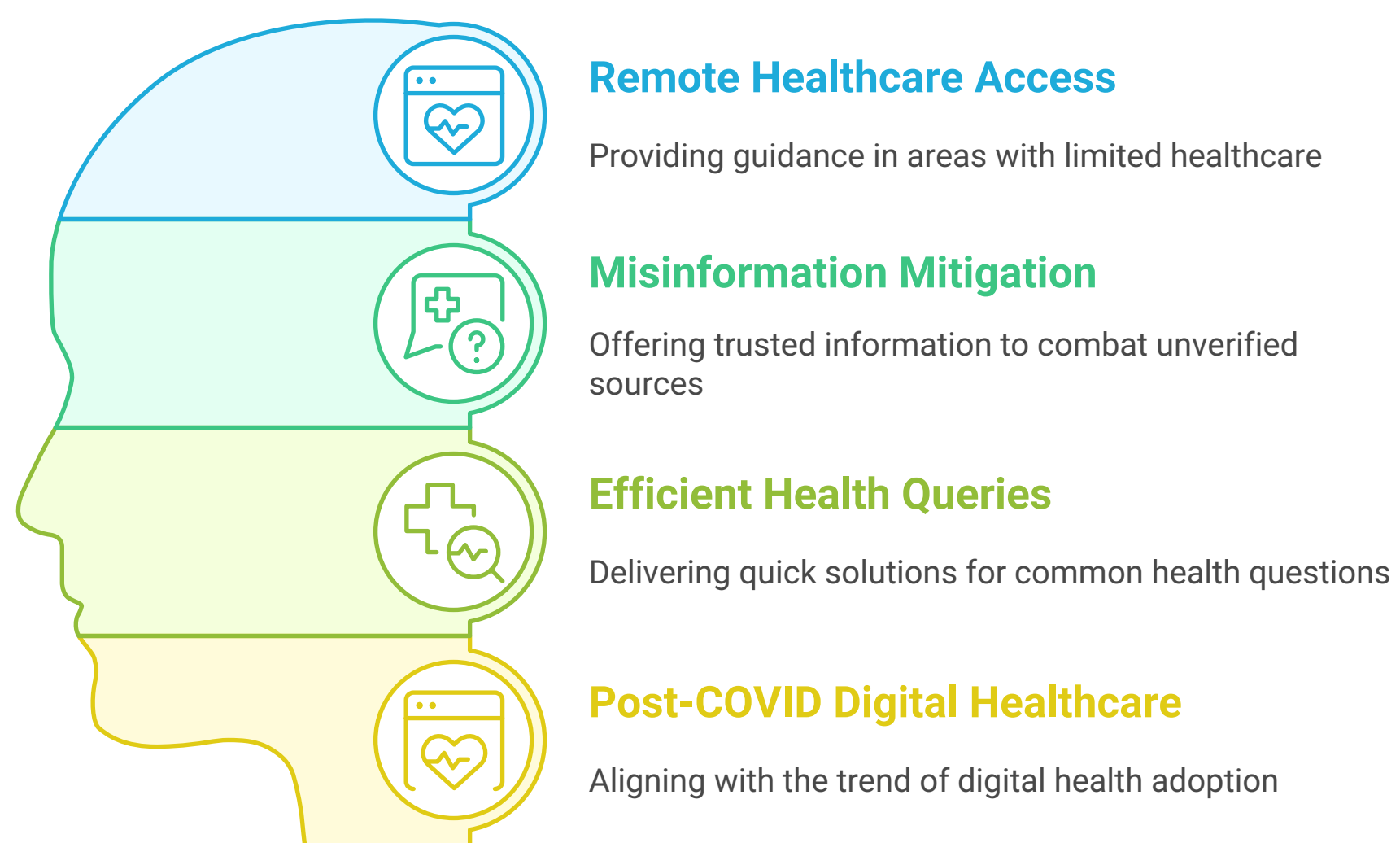
Key Objectives

The HealthAI project is driven by several key objectives:

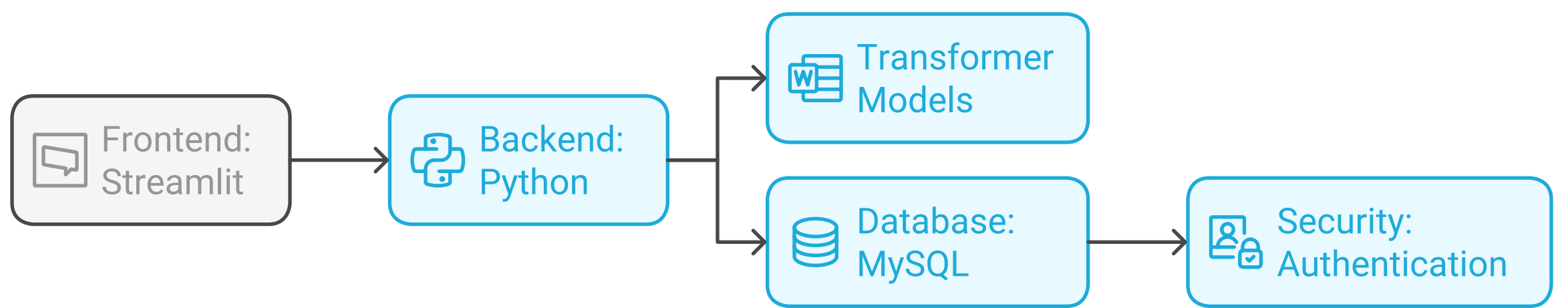
- **Provide First-Level Health Assistance Through AI:** The primary objective is to develop an AI-powered system capable of analyzing user-reported symptoms and providing preliminary guidance on potential health conditions. This includes offering insights into the possible causes of symptoms and suggesting appropriate next steps.

- **Ensure Simplicity and Usability for All Age Groups:** The system is designed to be user-friendly and accessible to individuals of all age groups and technical backgrounds. The interface is intuitive and straightforward, ensuring that users can easily input their symptoms and understand the information provided by the AI.
- **Maintain Data Privacy and Secure Access for Users:** Data privacy and security are paramount. The system will employ robust security measures to protect user data and ensure that access to personal health information is restricted to authorized individuals. Login/registration authentication with user session handling will be implemented.

Why This Project?



Technology Stack



Expected Outcomes

- **Possible Condition Predictions:** The system will provide predictions of potential health conditions based on the user's reported symptoms.
- **Suggestion for Doctor Consultation if Needed:** The system will provide guidance on whether a doctor consultation is recommended based on the severity and nature of the user's symptoms.
- **Privacy-Protected Access to Their History:** Users will have secure and privacy-protected access to their health history within the application.