



# Vakta Voicebot - Empowering Visually impaired community with AI.

- Team Alpha

# Introduction

Introducing "**Vakta Voicebot**" - an innovative and cutting-edge GUI based project developed for the Hackathon. Vakta is a state-of-the-art, fully voice-activated and AI-enabled voicebot, thoughtfully designed with the primary objective of **empowering the visually impaired community** with adaptive learning technology. With an unwavering commitment to providing an inclusive and seamless user experience, Vakta Voicebot revolutionizes the way blind individuals interact with technology.

"**Vakta**" is a **Sanskrit** word for "**speaker**." In our project, Vakta Voicebot embodies this essence by becoming a compassionate and intelligent mentor for the visually impaired. Just as ancient speakers conveyed wisdom, Vakta Voicebot aims to create a future of inclusivity and empowerment, bridging the gap between the visually impaired and knowledge.

# Function and Purpose of the App

## Accessibility

The app utilizes cutting-edge technology to provide visually impaired individuals with easy access to information.

## Intelligence

Thanks to ChatGPT integration, the app can generate answers to users' questions with incredible accuracy and speed.

## Convenience

The app's voice-activation feature allows users to search the internet or listen to audiobooks without relying on cumbersome equipment or relying on others.

# Features of the App



## Voice-activated Information (General Mode)

Speak to OpenAI's LLM using Eleven Lab's voice model and Langchain. Ask any question and get an answer in voice form. A favorite ChatGPT feature!



## Listen to your favorite book (Book mode)

This feature downloads the pdf and reads the book in audio format.



## Stay Updated with the latest news (news mode)

The user can request for news headlines of a particular category or in general. The AI will respond with the latest headlines!



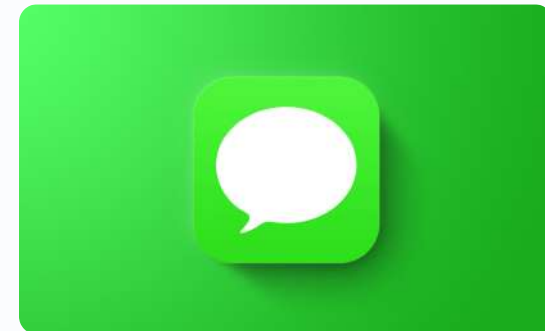
## Know the weather around you (weather mode)

The user can ask the AI about the weather of a particular city. The AI will generate a voice response with accurate temperature, humidity and wind speed.



## Search and Listen Music or Podcasts (Youtube mode)

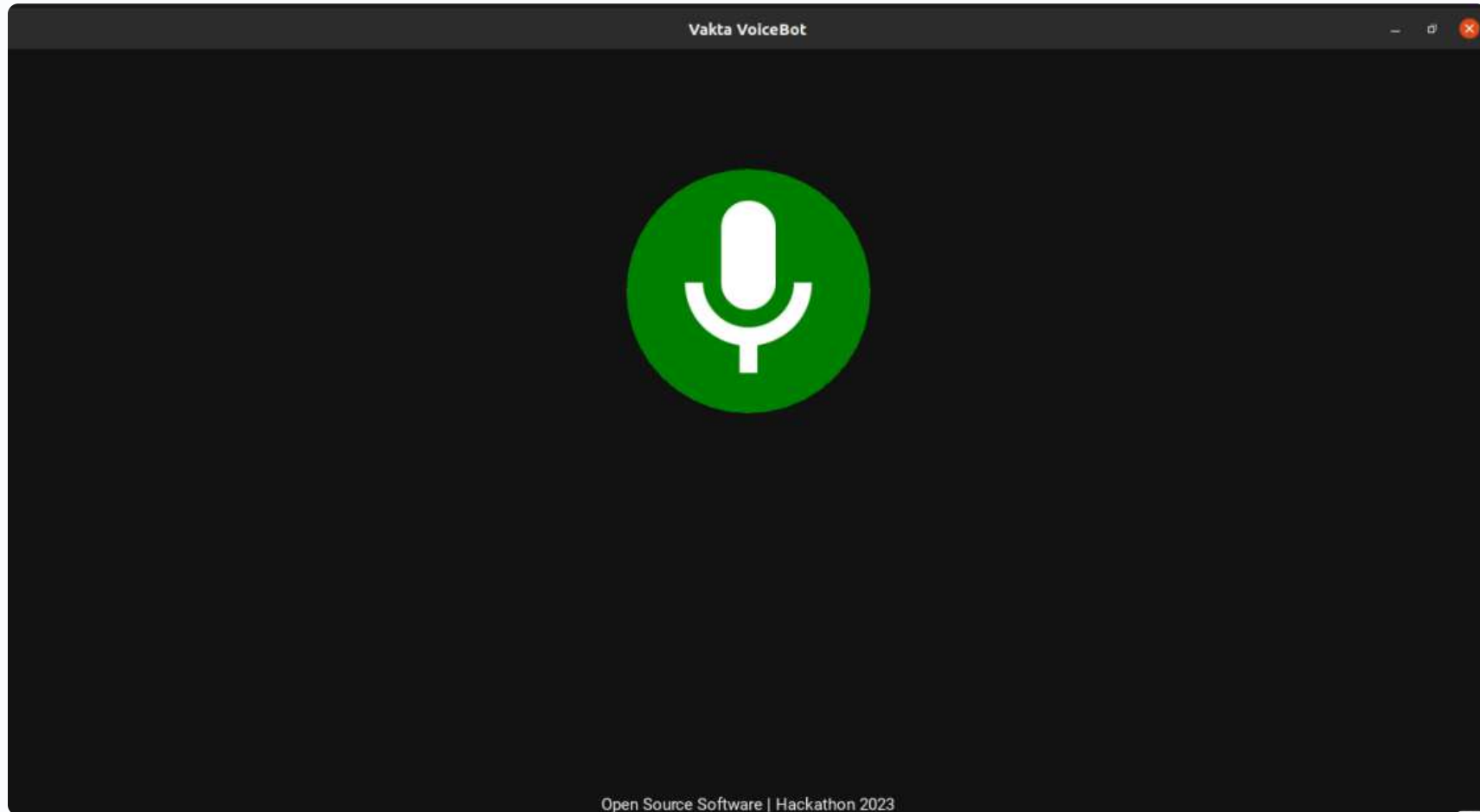
This feature empowers the user to search any song or video from youtube



## Send a message to your contacts (Messaging mode)

Makes the user to send message easily to their contacts

# Our Frontend Design



# The Tech Stack



# A Voice-Activated Demo



## Traditional Search


Searching the internet the traditional way requires a complex series of steps, including typing in a query and sifting through endless pages of results.





## Voice-Activated Search

With our app's voice-activated search feature, users can quickly and easily find the information they need without having to type a single word.

# Demo



The video player thumbnail shows a dark red, cylindrical device with a microphone icon on its front. To the left of the device is a speech bubble containing various icons representing different applications or features. The word "Vakta" is written in a stylized, italicized font below the speech bubble. A play button icon and the duration "11:46" are visible in the bottom right corner of the thumbnail.

 YouTube 

**Vakta AI-powered voice learning platform to assist...**

Introducing "Vakta 0.0.1" - an innovative and cutting-edge GUI based project developed for the Hackathon. Vakta is a state-of-...





# Benefits of the App for Blind Individuals

## Independence

Our app provides visually impaired individuals with the independence they need to access information on their own.

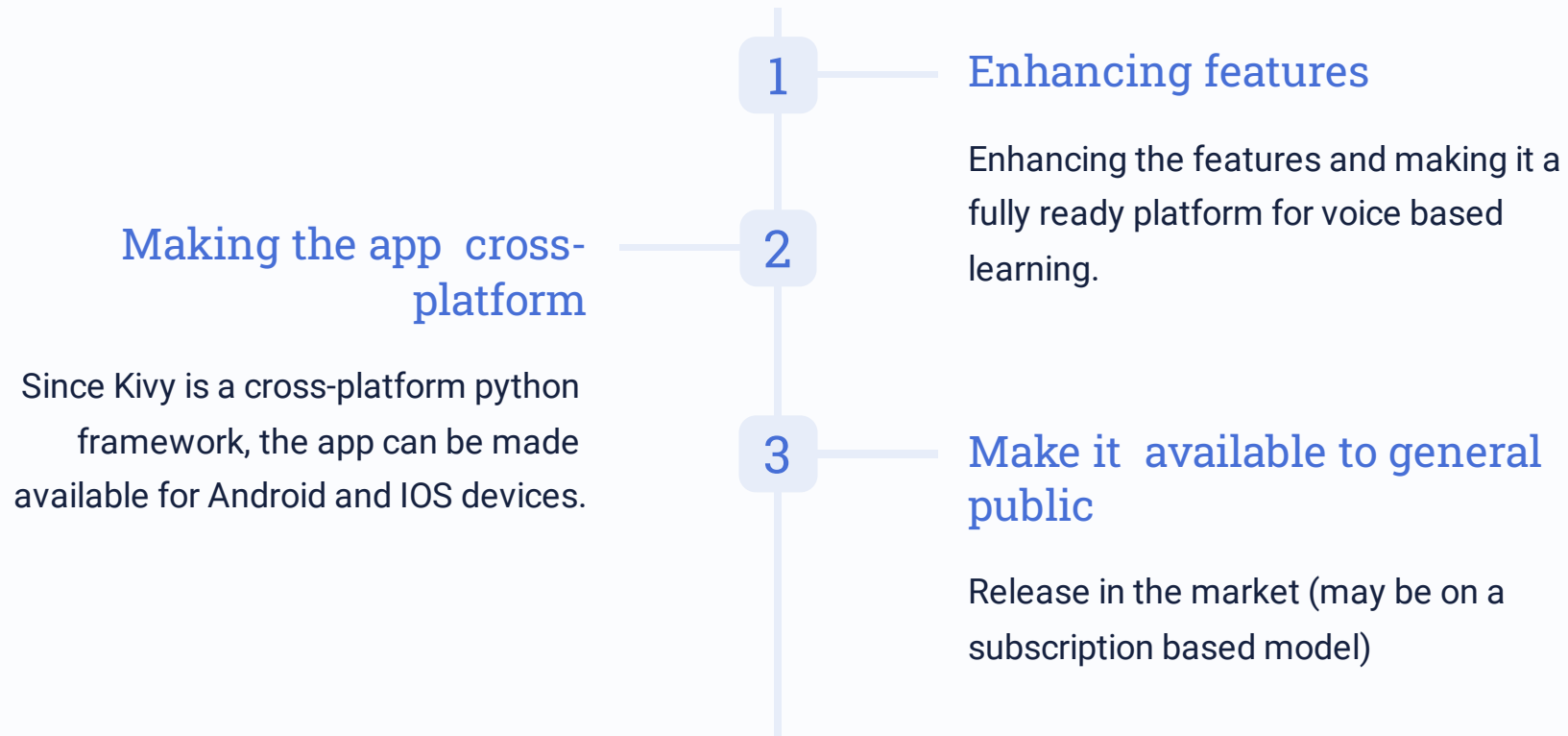
## Seamless Integration

Our app is designed to integrate seamlessly into users' daily lives, without requiring them to learn complicated new systems or workflows.

## Efficiency

Thanks to our app's advanced technology and cutting-edge features, users can access information more quickly and efficiently than ever before.

# Future Developments and Potential Extensions





# Conclusion and Thank You

Thank you for taking the time to learn about our innovative new app for blind individuals. We believe that this technology has the power to transform lives and empower visually impaired individuals around the world. Thank you for your interest and support!

## Team members:

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