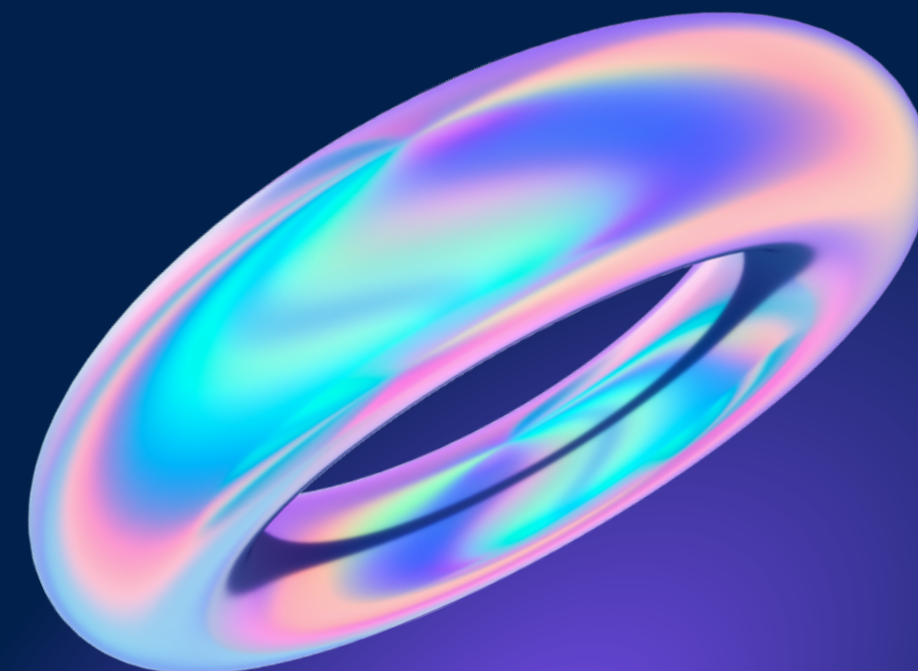
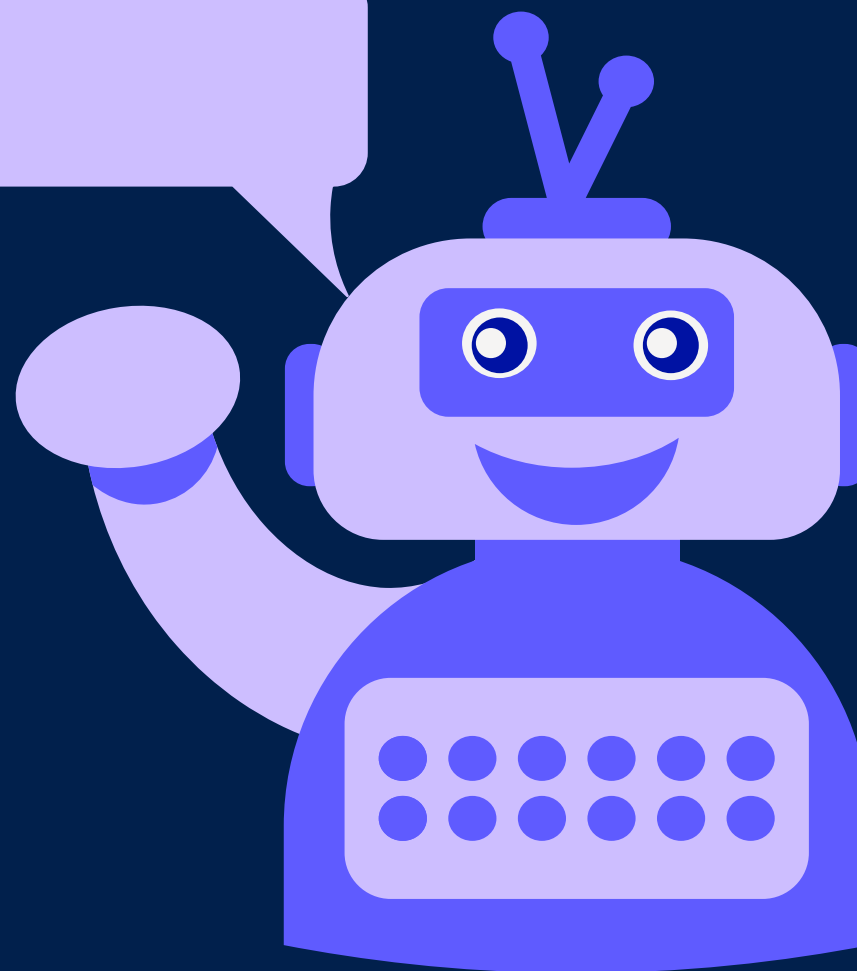
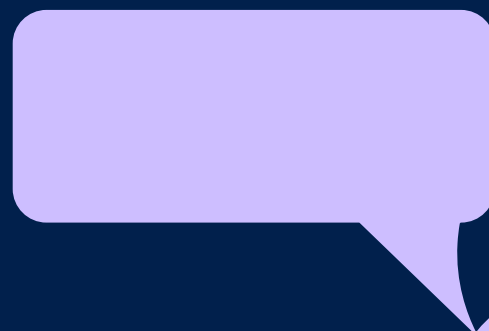




NestQues



t



Under Dr. Tony Diana



OUR TEAM

Vishnu Priya
Thanda

Master's in DS
UMBC
2022-2023

Krutal Patel

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Likhith
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Sai Kumar
Baddam

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Why NestQuest?



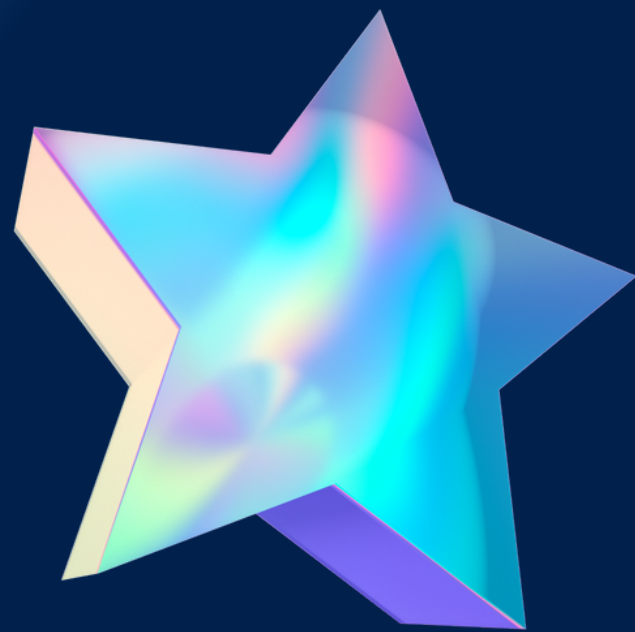
- Real estate industry is constantly evolving and adapting to new tech.
- A recent innovation revolutionizing the whole world.
- Provides personalized assistance and engaging user experiences.

Benefits:

- Get instant assistance.
- Improve accessibility.
- obtaining information quickly and easily
- Automate the Tasks.



Market Overview



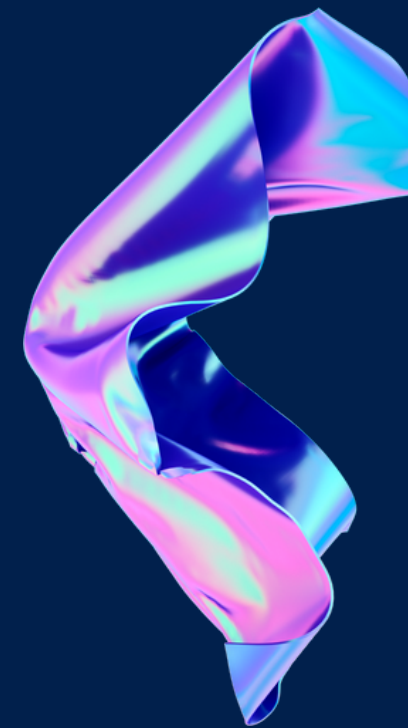
\$3.3 Trillion

Market Size



15%

Market Growth Rate



6.4%

Growth for 2022

LangChain and its benefits



How it works:

- Data Preparation
- NLP Training
- Chatbot Development
- Deployment

Benefits:

- Enhanced Language Learning
- Scalability
- Developer-friendly
- Integration capabilities

Roadmap



Data
Ingestion

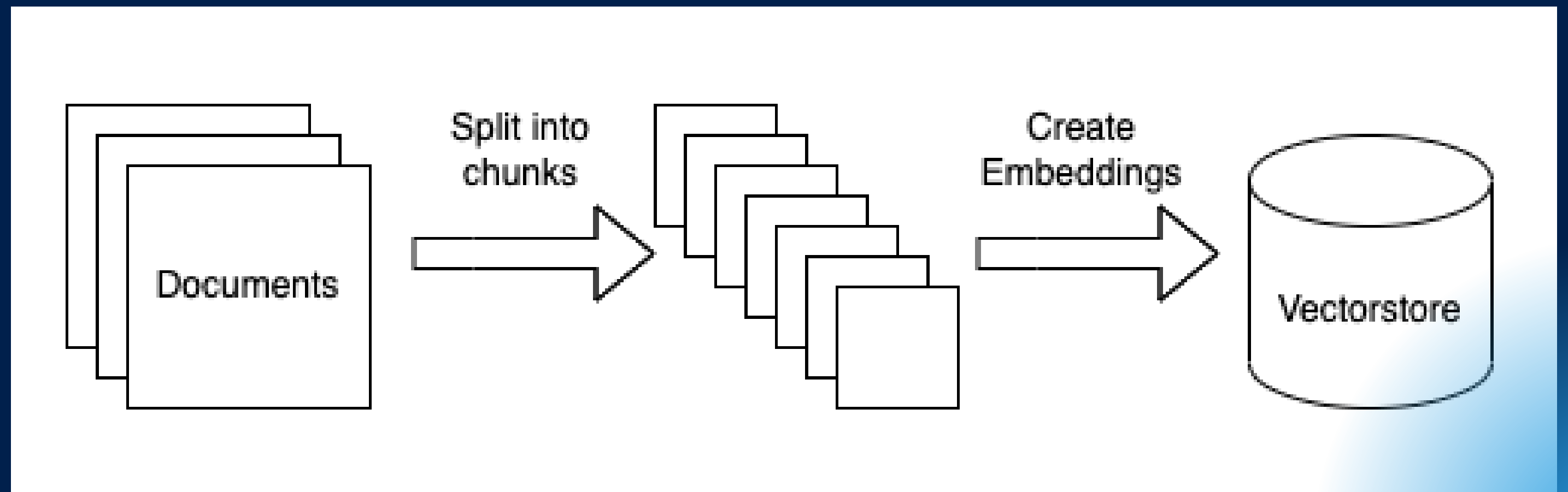


Data
Querying

User
Interface

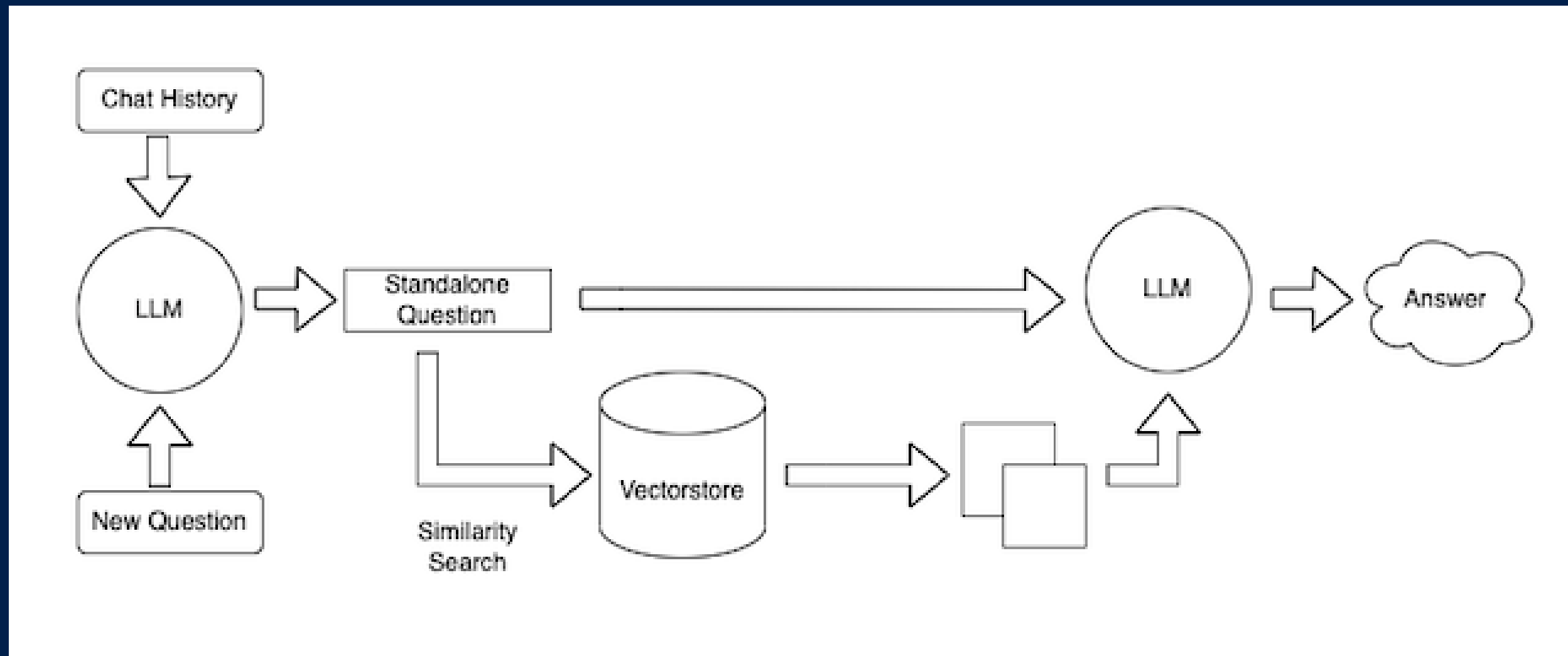
Data Ingestion

- Load Data Sources
- Chunk text
- Embed text
- Load embeddings to vectorstore



Data Querying

- Chatbot over data
- ConversationalRetrievalChain
- Condense Question Prompt
- Language Model - GPT3.5 turbo
- Text-to-Speech functionality

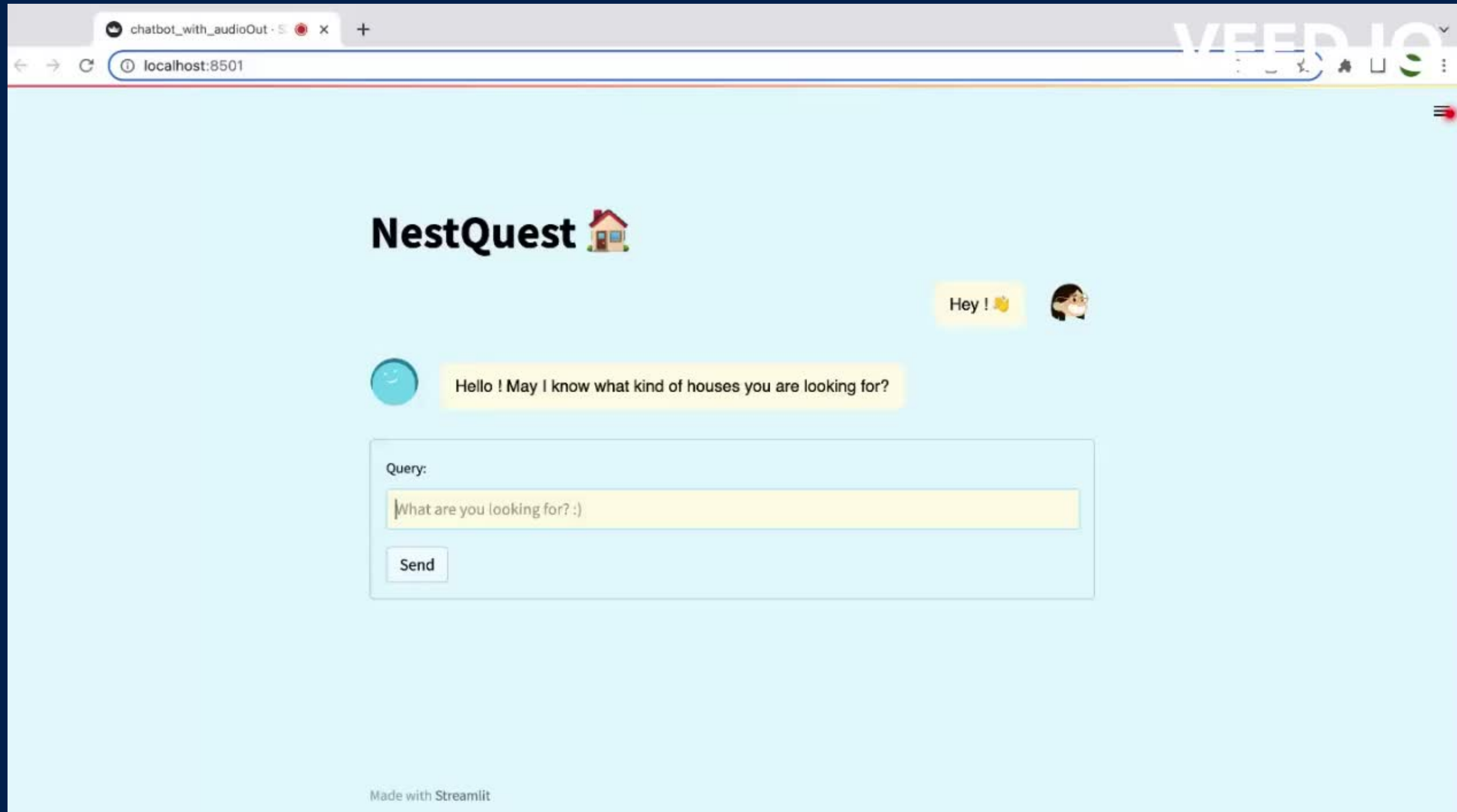


User Interface

- Streamlit - An open-source framework to create web applications.
- Provides a range of pre-built components and widgets.
- A chat-app like interface that can be deployed easily on any cloud.
- Enhances the Text-to-Speech functionality



Quick Demo



Future Scope



Incorporate more
reliable data



Expansion to new
platforms



Extend the
Speech-to-Text
feature



Enhanced NLP
capabilities

Thank You!