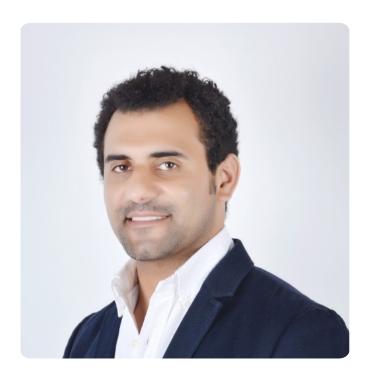


About the Speaker



Amr Elsehemy

- Independent Consultant focused on Al
- Co-Founder of an AI startup
- Active Consultant @ GLG
- Ex-Director of Tech @Scrips (CTO)
- Ex-Director of Al and DX @ITWorx
- Ex- TA and RA @CIS ASU
- MBA Hult International School of Business
- MSc. CIS ASU

Expertise



Working with clients from

Gulf to North America

Industries

- Enterprise
- Healthcare / Pharma
- Education
- Government

Agenda

- What is LLM and LLM applications
- ChatGPT .. The Api
- Langchain quick overview
- Introduction to Streamlit
- Building a conversational Chatbot over your own Data

LLMs and LLM applications

Large Language Models (LLM)

- LLMs APIs (e.g. OpenAI)
 - Embeddings
 - Completion
 - ChatCompletion
- Applications using LLMs

- OpenAl Models
- Embedding
- Completion
- Chat

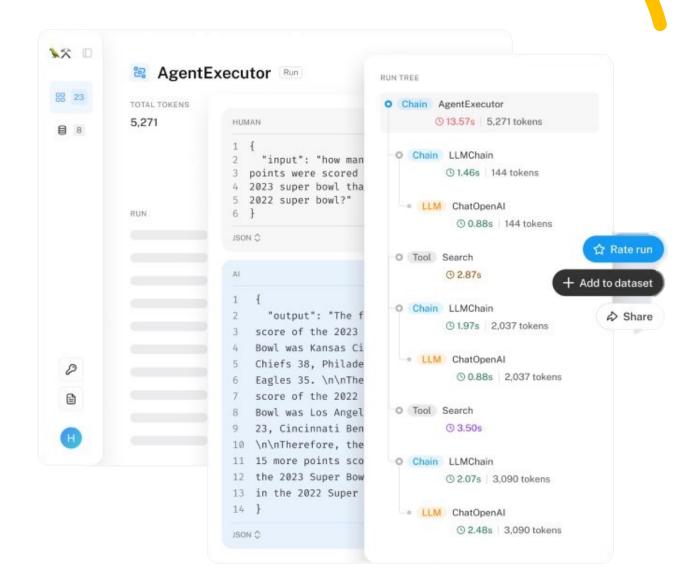


- Building applications with LLMs through composability
- Open-source framework for building LLM apps
 - Started in October 2022, More than 52k stars
 - 235 versions as of today
 - Python and Javascript
 - Inc. and rasied \$10M March 2023
- What can Langchain help with
 - LLMs and Prompts
 - Chains
 - Data Augmented Generation

- Agents
- Memory
- Evaluation



- Langchain.com
- Integration Hub
- Langsmith (A unified platform to help developers debug, test, evaluate, and monitor their LLM applications.)



- Langchain abstraction LLMs
- Loaders
- Retreiver
- QA
- Chat

Streamlit



- Open-source python library, builds web-apps for ML and Datascience
- Philosphy
 - Embrace Python scripting
 - Treat widgets as variables
 - Always rerun from top to bottom
- Ecosystem
 - Streamlit Cloud
 - Streamlit Share
 - Streamlit open-source lib

Streamlit in action

Creating a Chatbot using ChatGPT, Python, Langchain, and Streamlit

Putting all together



Building your chatbot

Keep in touch

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- https://github.com/amrelsehemy

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