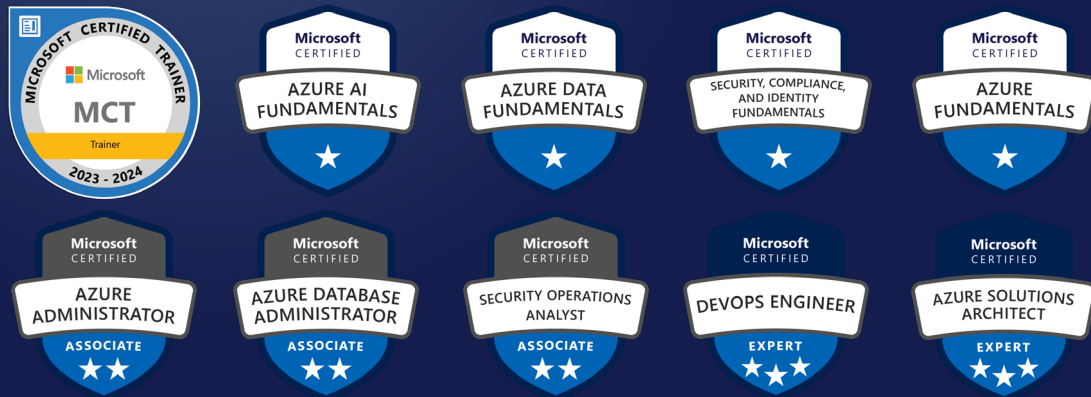


# Build Semantic Search Application with Azure OpenAI service and MongoDB Atlas Search



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FG: MongoDB Thailand User Group (THMUG)

12-Dec-2023

# Agenda

- Introduction to Azure OpenAI Service.
- Introduction to MongoDB Atlas Search.
- Introduction to LangChain.
- Demo.

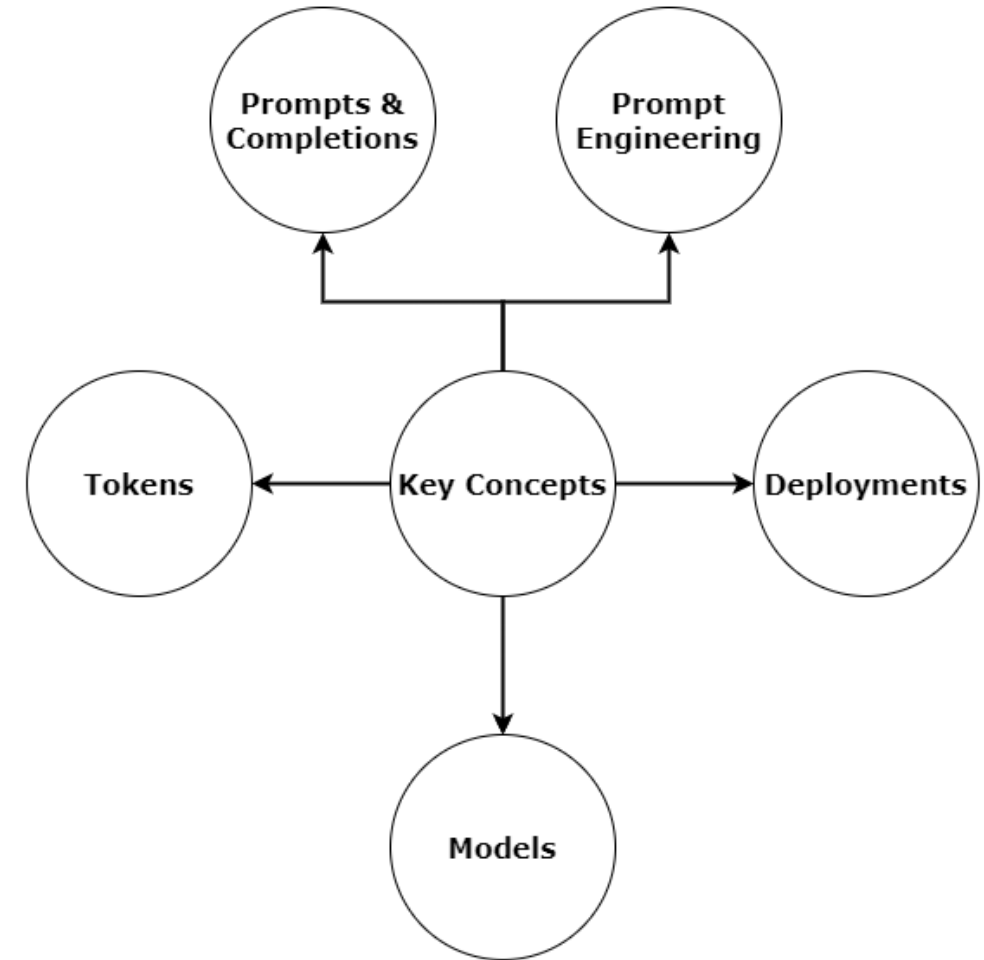
# Introduction to Azure OpenAI Service



- Build, evaluate, and deploy your AI solutions from end to end.

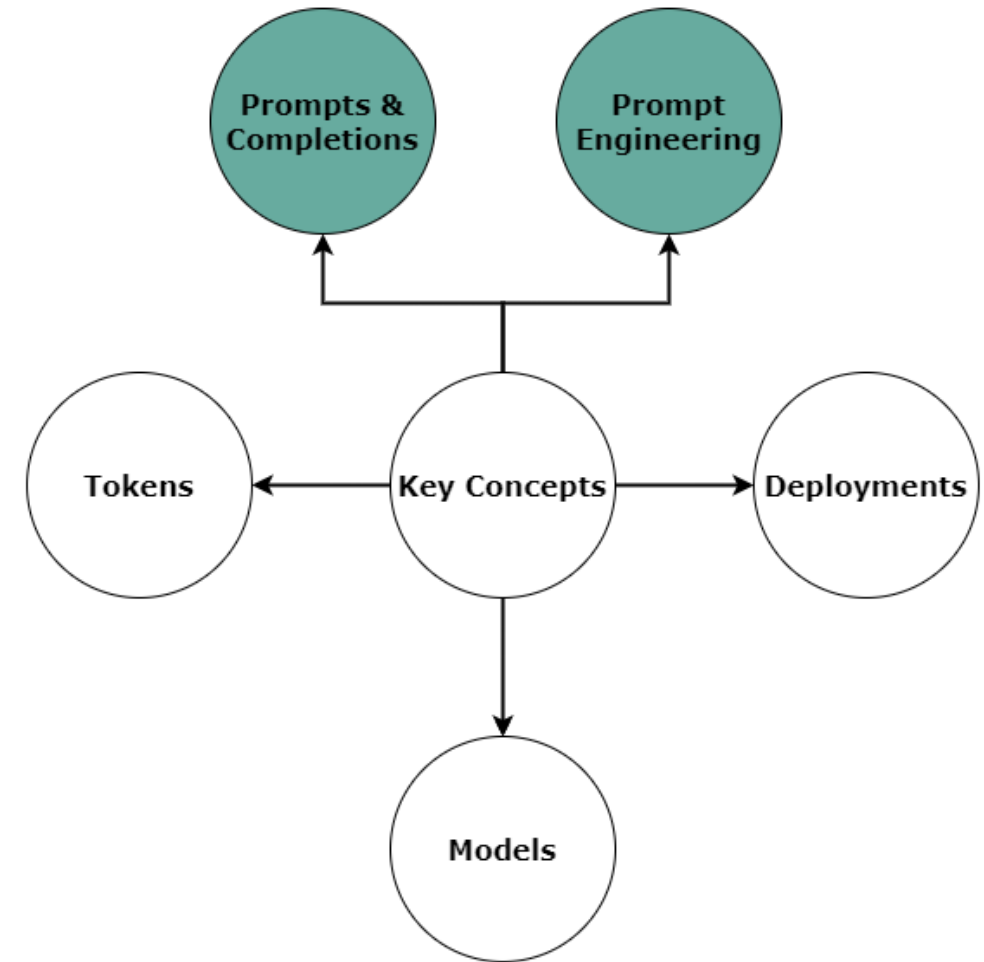
# Introduction to Azure OpenAI Service

## 5 Key Concepts



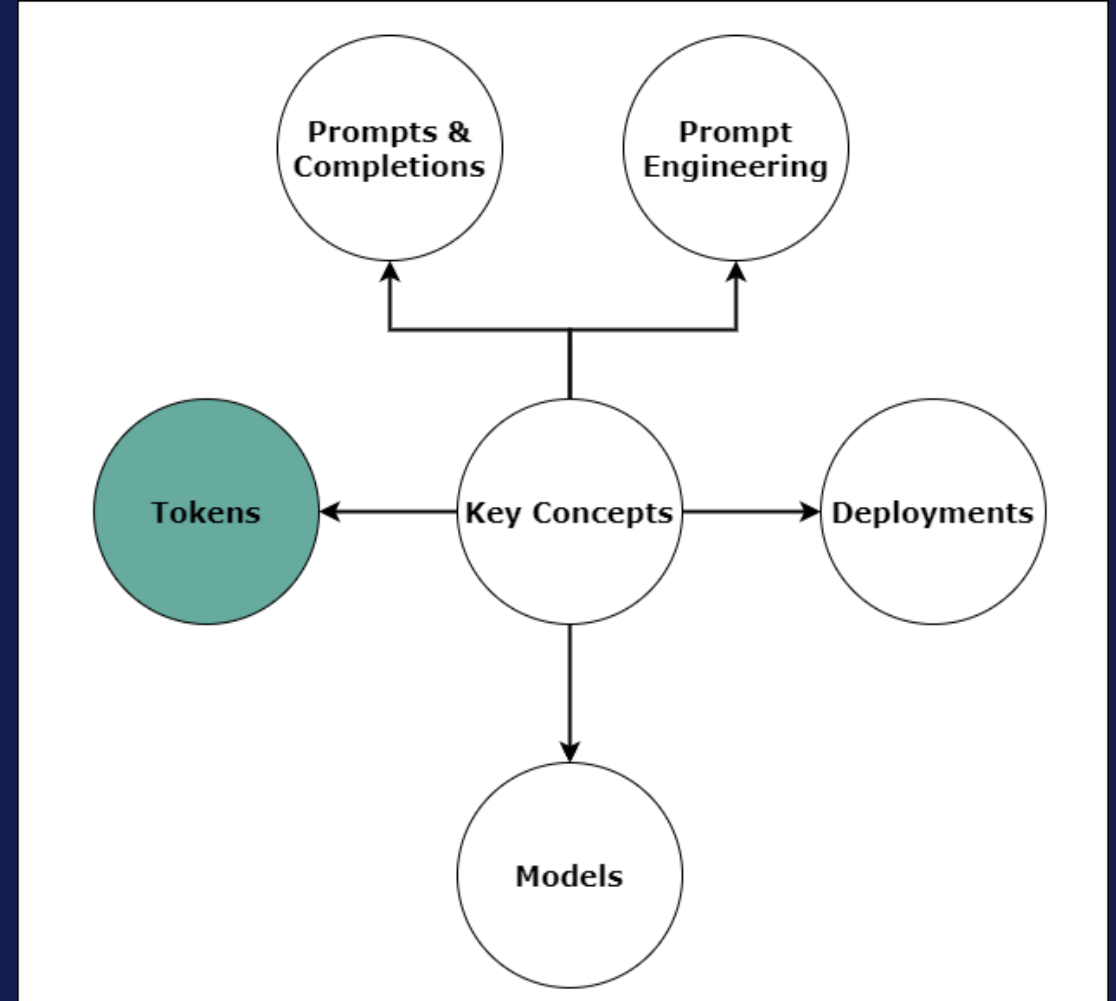
# Introduction to Azure OpenAI Service

- GPT-3, GPT-3.5, GPT-4 models
- Completions endpoint



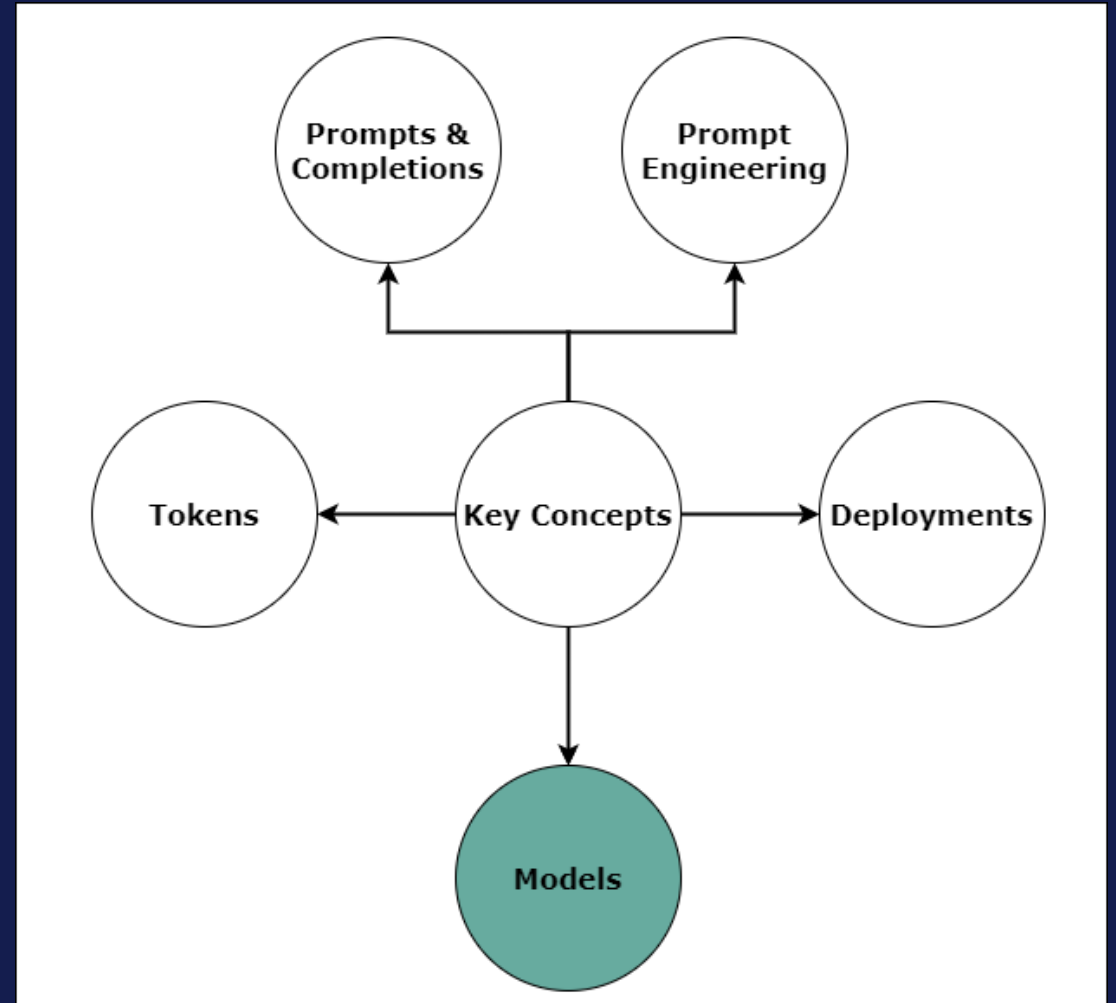
# Introduction to Azure OpenAI Service

- Define the number of Tokens
- Words
- Chunks of Characters
- Ex: Ham-bur-ger



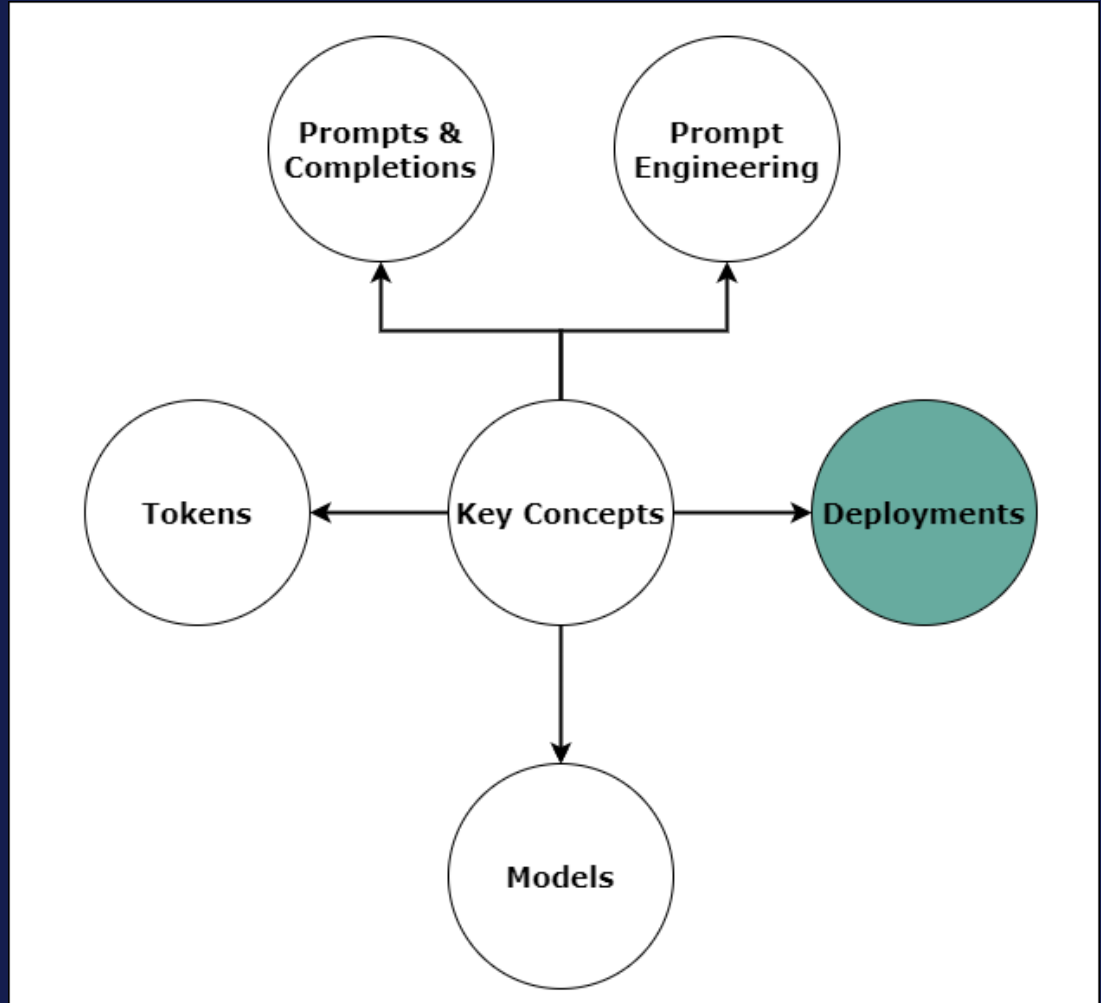
# Introduction to Azure OpenAI Service

- GPT-35-turbo
- GPT-35-turbo-17k
- GPT-35-turbo-instruct
- Text-embedding-ada-002



# Introduction to Azure OpenAI Service

## AI Model Endpoint

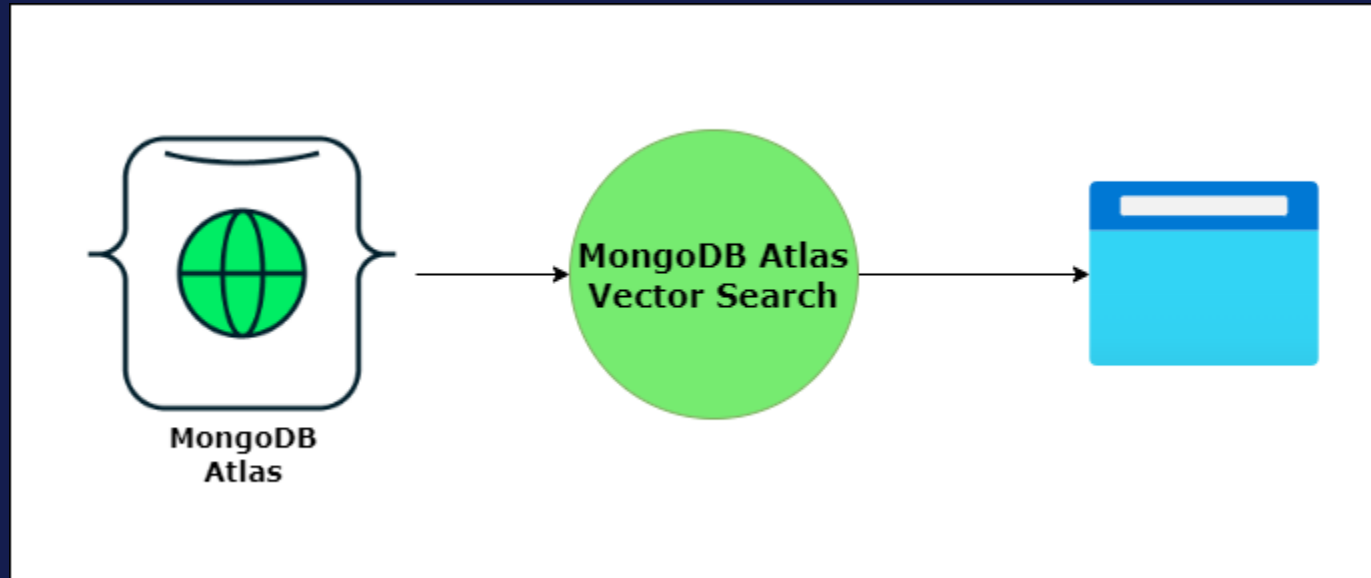




# Introduction to MongoDB Atlas Search



- Atlas Search Index
- Atlas Vector Search Index
- Approximate Nearest Neighbors (ANN)

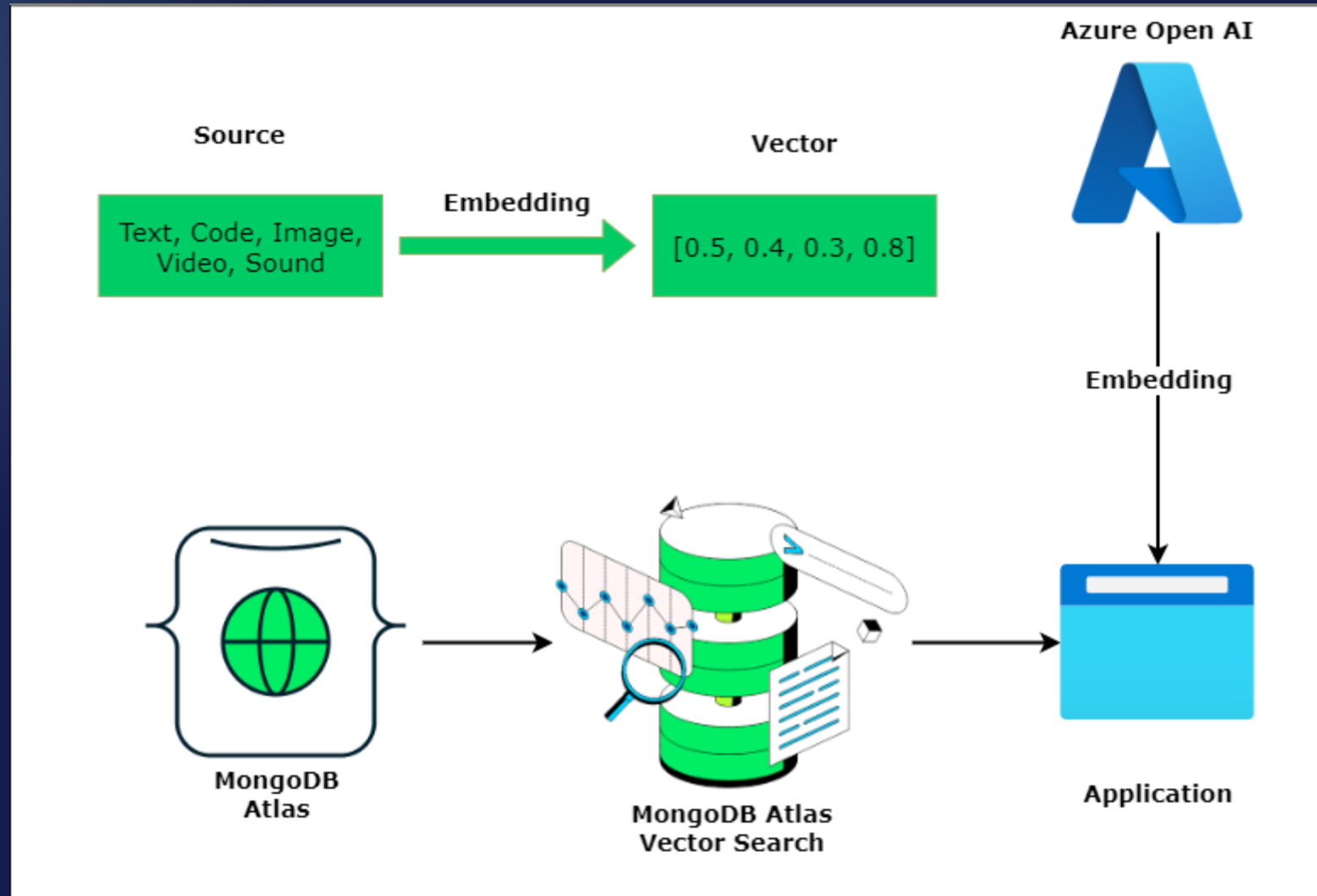


# Introduction to LangChain



- AI first toolkit.
- Support Python and JavaScript.
- Support 70+ LLMs provider.

# Demo



# References

- <https://github.com/ninefyi/global-ai-conf-23>
- <https://learn.microsoft.com/en-us/azure/ai-services/openai/overview>
- <https://langchain.com>
- <https://www.mongodb.com/products/platform/atlas-vector-search>

Thank you !

Q&A