

Building a Custom Search Engine with LlamaIndex and OpenAI

Empower Generative AI

Content

Introduction to LlamaIndex and OpenAI

Overview of the process of building a custom search engine



PyPDF is a powerful tool used for parsing PDFs.

Parsing PDFs with PyPDF



GPTSimpleVectorIndex: A Key Component in Index Construction

- Introduction to GPTSimpleVectorIndex
- Explanation of how GPTSimpleVectorIndex is used in index construction

Creating Embeddings with text-embedding-ada-00

- Introduction to text-embedding-ada-002
- Explanation of how text-embedding-ada-002 is used to create embeddings



Storing Indexes and Files on AWS S3

- Introduction to AWS S3
- Explanation of how indexes and files are stored on S3

ChatGPT model gpt-3.5-turbo is a powerful tool used for querying the index.

Querying the Index with ChatGPT model gpt-3.5-turbo



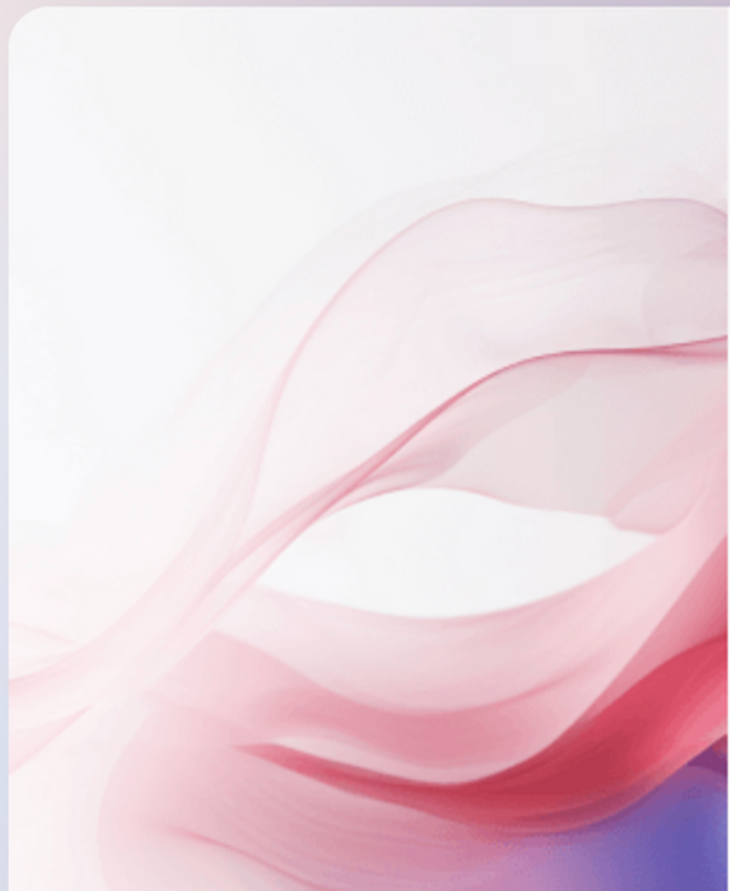
Configuration and Secrets

- Explanation of how to configure AWS
- Demonstration of AWS configuration



Adding OpenAI Credentials

- Explanation of how to add OpenAI credentials
- Demonstration of adding OpenAI credentials



Local Usage

- Explanation of how to create a Python environment and install dependencies
- Demonstration of creating a Python environment and installing dependencies

Running the Streamlit App

- Explanation of how to run the Streamlit app
- Demonstration of running the Streamlit app

Thank You

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