Topics in AI

# Version Information

Satya Komatineni, 3/2/24 (Started 3/2/24)

Version 1, Scope: Beginners [See the Document metadata at the end for location on github]

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# Main Topics

1. LangChain
2. Hugging Face
3. Embeddings
4. Vector databases
5. RAG
6. Fine Tuning
7. Ollama
8. OpenAI Custom Agents
9. Key channels, podcasts to look for
   1. What is valuable?
   2. What is fluff?
10. Key Python frameworks

# On the Radar

tbd

# LangChain

1. Prompt Templates
2. LLMs
3. Output Parsers
4. Embeddings
5. LCEL

# Hugging Face

1. Website organization
2. Details Text Generation Inference APIs
3. …and much more

# LLMs

1. Hugging Face
2. OpenAI
3. Llama2

# Vector Databases

1. Chromadb
2. Pinecone

# Core python concepts/frameworks

1. Configuration: TOML, YAML
2. Classes
3. Pydantic

# Supplemental

1. Spacy
2. NLTK

# UI/UX

1. Streamlit
2. Gradio
3. React

# Deployment

1. Docker
2. Podman

# Document Location/Metadata.

Name: topics-in-ai.docx

Repo: <https://github.com/SatyaKomatineni/articles-repo>

Subdirectory: /ai

Current url:

<https://github.com/SatyaKomatineni/articles-repo/blob/master/ai/topics-in-ai.docx>

Note: URL may change if I reorg the subdirectory. But it will be in the general vicinity of this repo.

# Sister Documents

You will find sister documents at

<https://github.com/SatyaKomatineni/articles-repo/tree/master/ai>