Topics in AI

# Version Information

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

Version 1

Scope: Beginners

### Document Location

Name: topics-in-ai.docx

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

Subdirectory: /ai

Current url:

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

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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

# LangChain

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

# 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