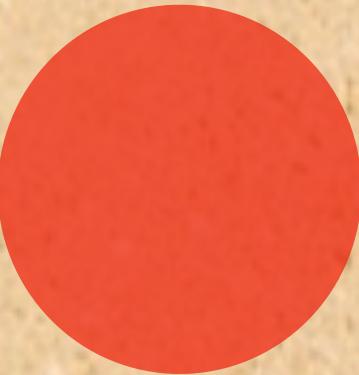
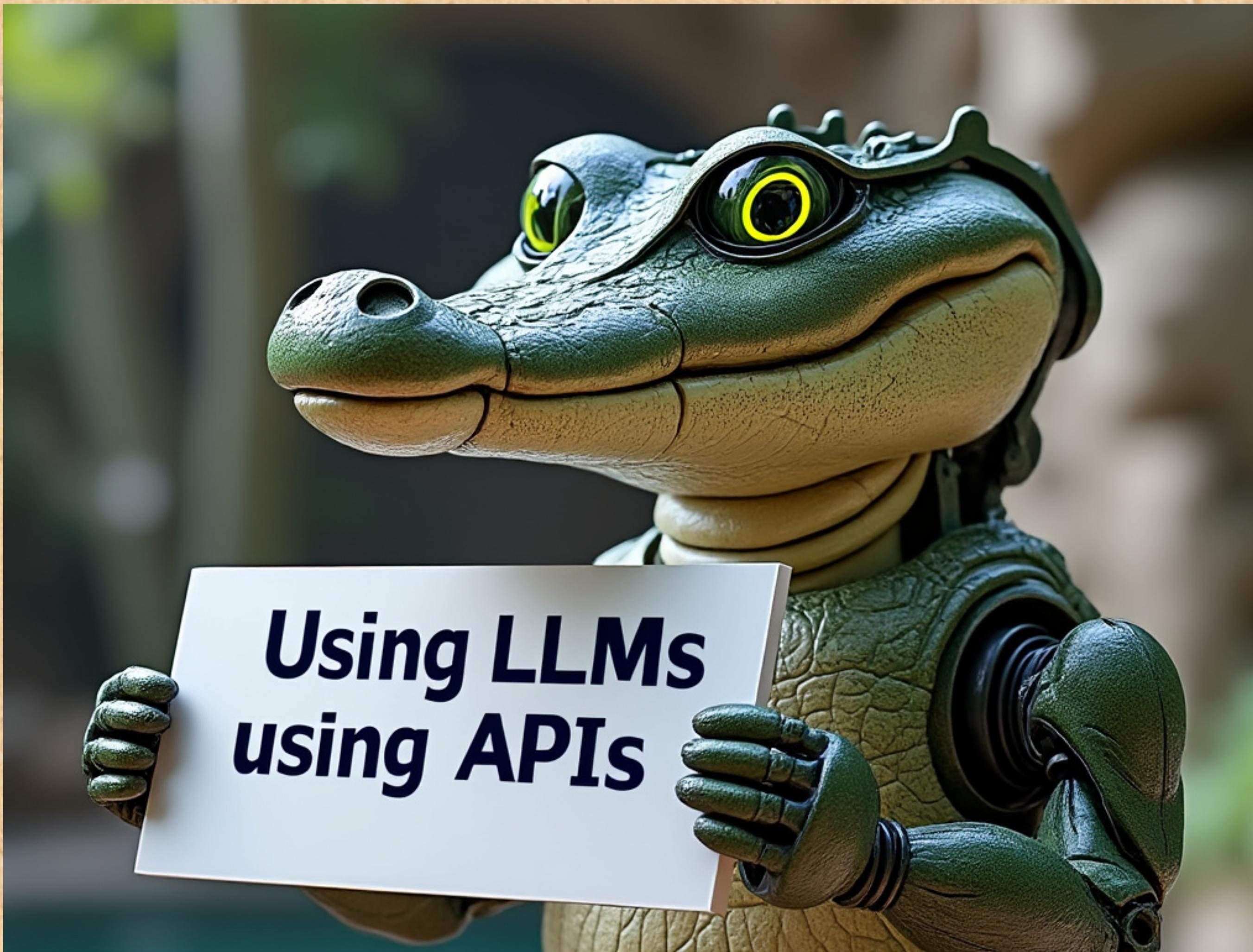


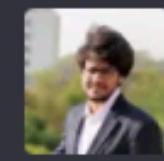
Module 1 - Topic 3

3.2 Using LLMs using APIs





What is an API?



Give me 3 tweets on World War I



1. "Today we remember the millions who lost their lives in the trenches of World War I. Let us honor their sacrifice and strive for a world where peace triumphs over conflict. #WWI #RemembranceDay" 🔗 🙌 🗞
2. "Reflecting on the profound impact of World War I, a war that reshaped global politics and left an indelible mark on history. Let us learn from the past and work towards a future of diplomacy and cooperation. #WorldWarI #HistoryLessons"
3. "In the midst of the centenary of World War I, we must never forget the lessons it taught us about the horrors of war and the importance of international collaboration. May we build a world where conflicts are resolved peacefully. #WWI #Peace"

What is an API?



```
...  
from langchain_openai import ChatOpenAI  
  
model = ChatOpenAI(model = "gpt-4o-mini")  
  
response = model.invoke("Who are you?")  
  
print(response)
```

How to use them using APIs?

Key foundation models in LLM space

GPT

Claude

Llama

Mistral

Closed Source

Open Source

In this lecture,

We will learn how to use any LLM using Langchain!

- OpenAI Models
- Gemini Models
- Open Source (Llama, Mistral, etc) by Together

Models by Together

The screenshot shows the Together AI web interface. At the top, there's a navigation bar with links for DASHBOARD, PLAYGROUNDS, MODELS (which is highlighted in blue), JOBS, ANALYTICS, and DOCS. There's also a user profile icon and a search bar.

MY MODELS

Below the navigation, there's a table header for "MODEL / ENDPOINT" with columns for ENDPOINTS, TYPE, CREATED, and PRICE. A message says "Your fine-tuned models and Dedicated endpoint models will appear here."

ALL MODELS

Below the "ALL MODELS" heading, it says "Models hosted by Together AI available for serverless or for on demand dedicated endpoints." There are two tabs: SERVERLESS (which is selected) and DEDICATED.

SERVERLESS ENDPOINTS

	AUTHOR	TYPE	PRICING (PER 1M TOKENS)
FLUX.1 [schnell]	Black Forest L...	image	See pricing
FLUX1.1 [pro]	Black Forest L...	image	See pricing
FLUX.1 [pro]	Black Forest L...	image	See pricing
FLUX.1 [schnell] Free	Black Forest L...	image	See pricing
Meta Llama 3.2 11B Vision Instruct Turbo	Meta	chat	\$0.18
Meta Llama 3.2 90B Vision Instruct Turbo	Meta	chat	\$1.20

Let's jump into the code!!