

Agentic Al Session 1

Presented by Eduard and Huy



SHIFTKEY LABS

From hackathons to the Startup Residency program, ShiftKey Labs makes sure students have the skills & support they need to pursue their most innovative ideas!



Space Apps Challenge Workshops & Talks

REACT

Global Game Jam

Generative Al Hackathon

Blockchain

Prototyping

Startups

Freelancing

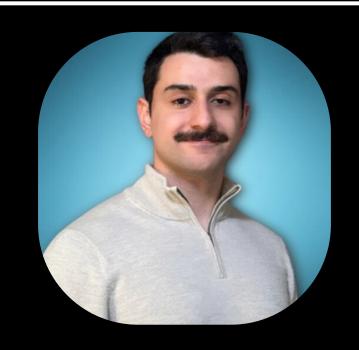
Cybersecurity





info@shiftkeylabs.ca

About Us



Eduard Kakosyan

Al Developer @ Al-First Consulting
BCS @ Dal

1st place at Atlantic Al Summit

2nd place at Volta Agentic Hackathon
Shiftkey Build 2024-2025



Huy Huynh

Al Developer @ Nova Scotia Gov.

BACS @ Dal

Perplexity Al Campus Partner

1st place at Atlantic Al Summit

2nd place at Volta Agentic Hackathon

Shiftkey Build 2024-2025

Course Description

This is an introductory course into GenAl and Agents. By the end of this course you will know about:

- LLMs
- Context Engineering
- Workflows
- Agents
- How to build anything with LLMs

Lets first see what an Al agent can do!

Build a website with just prompt (no coding)



Deep research, prepare report with Perplexity



All Students Skip Comet Browser Waitlist + Pro





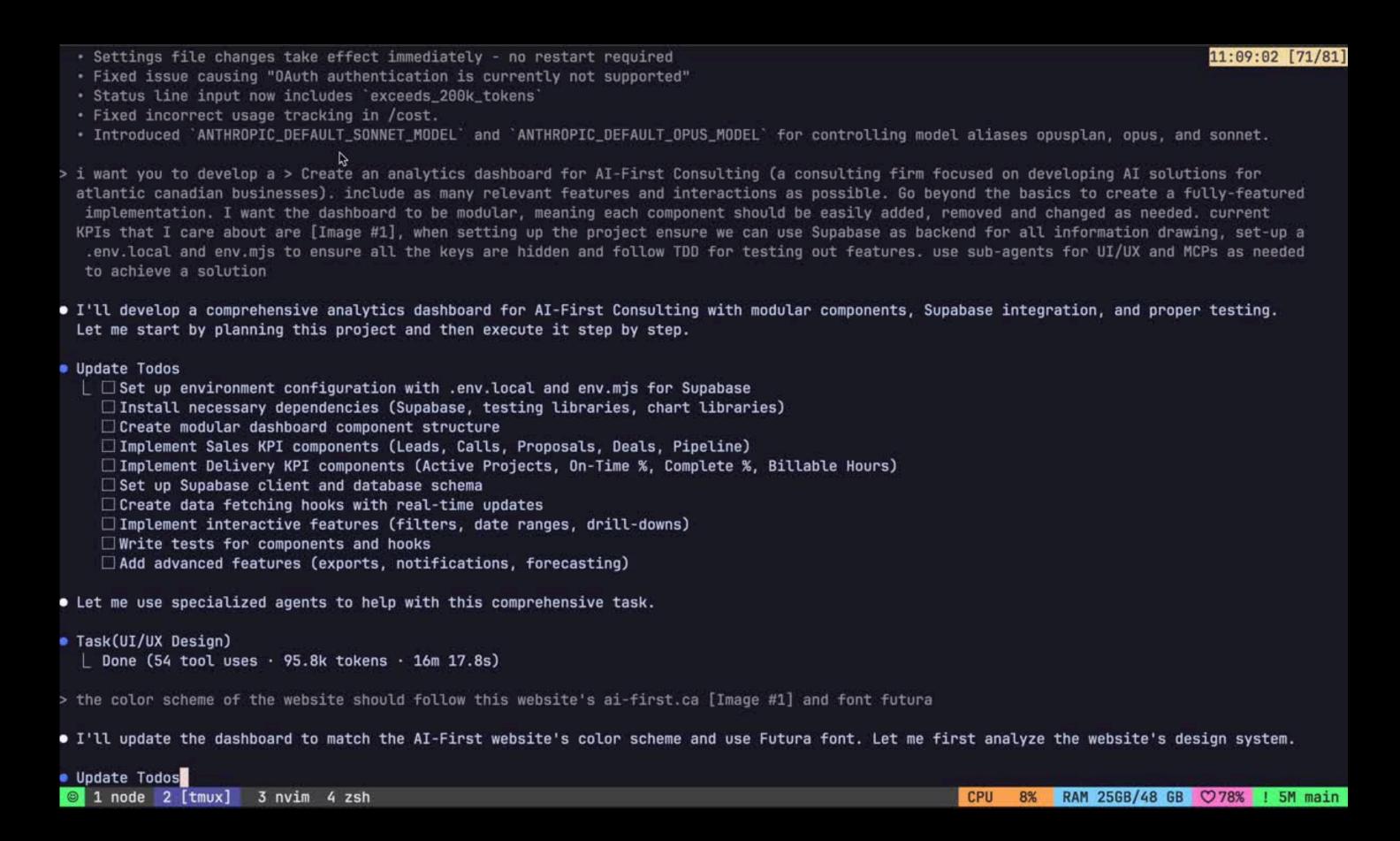
https://pplx.ai/huy-huynh

Listen to your study materials as a podcast



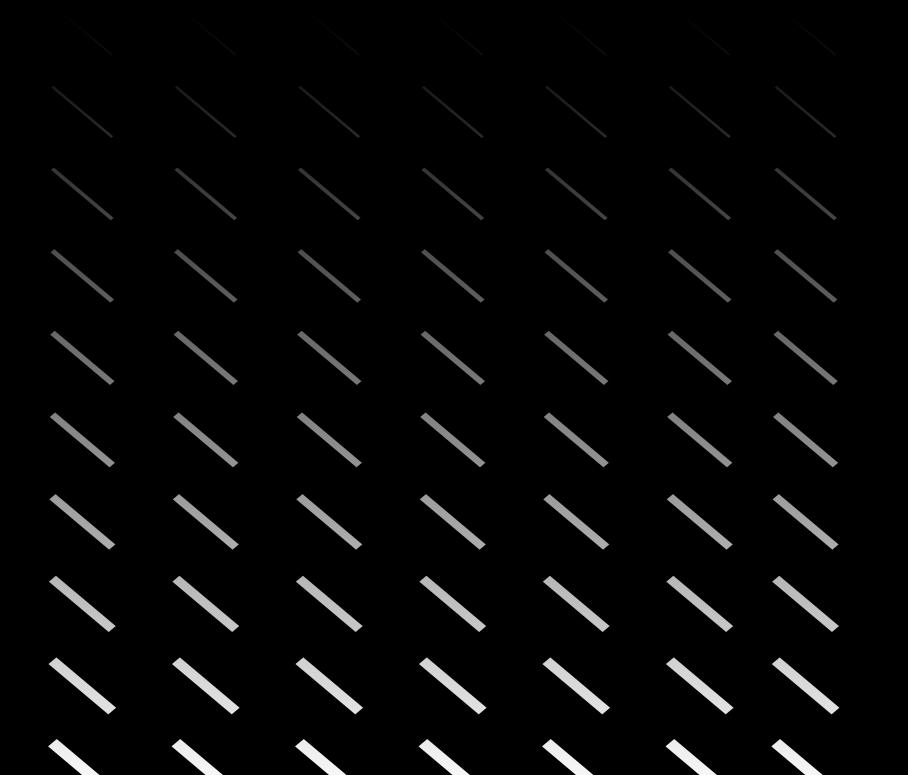
2nd Brain Al Agent





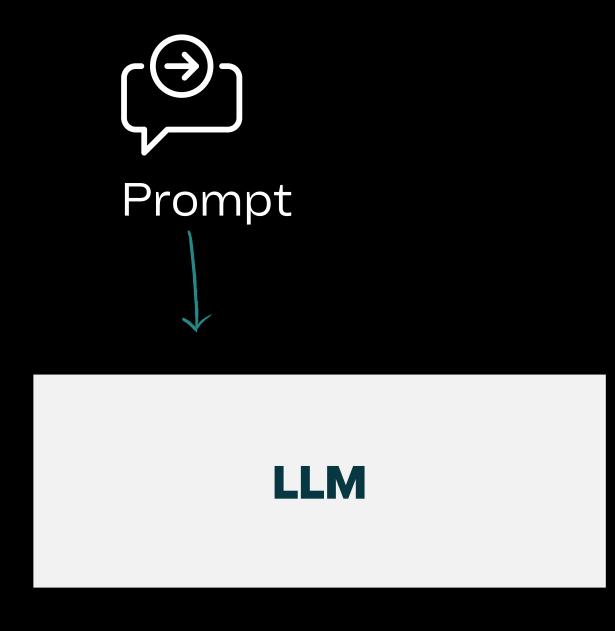
Final Project! (food for thought)

Requirements



- Create an Al agentic system that will solve a problem
- Dataset Design & Description
- Agent Development
- Behavioral Evaluation
- Insights & Reflections
- Our Value Add
- Recommendations
- Conclusion

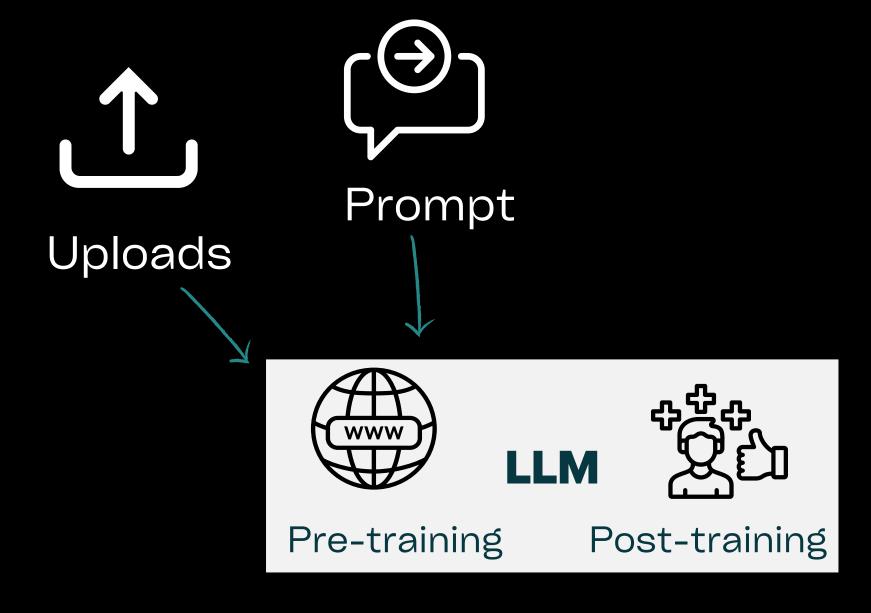
What is a Large Language Model

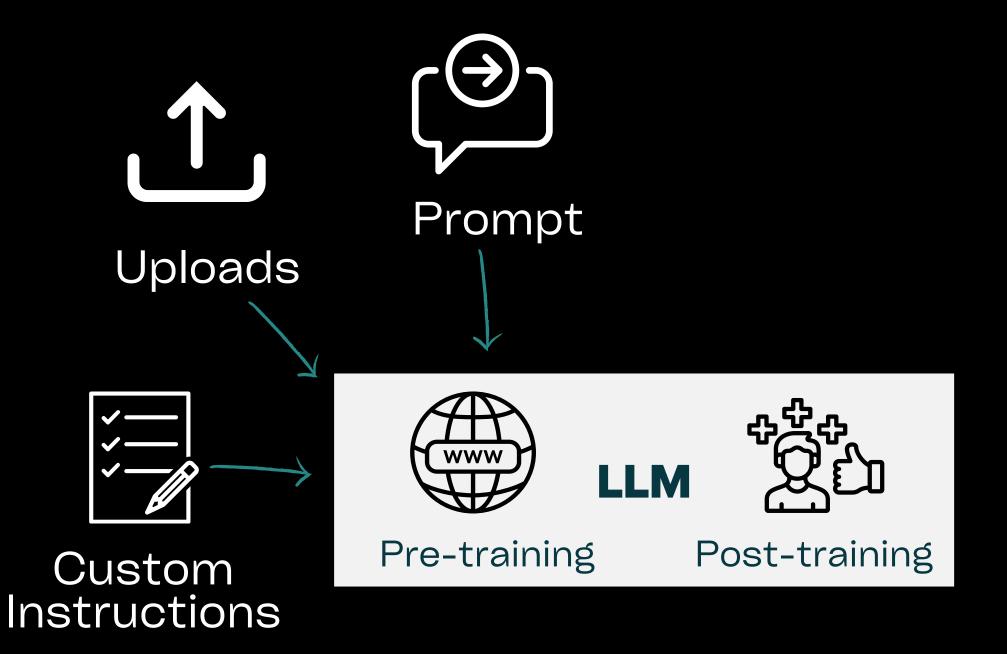


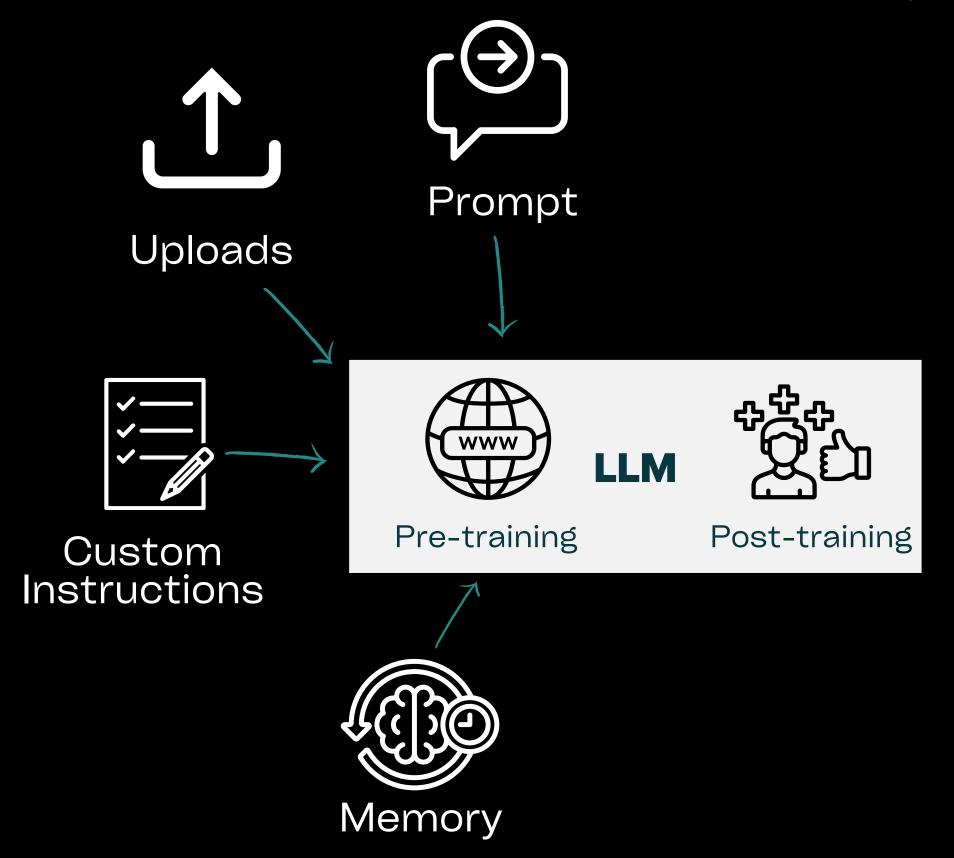


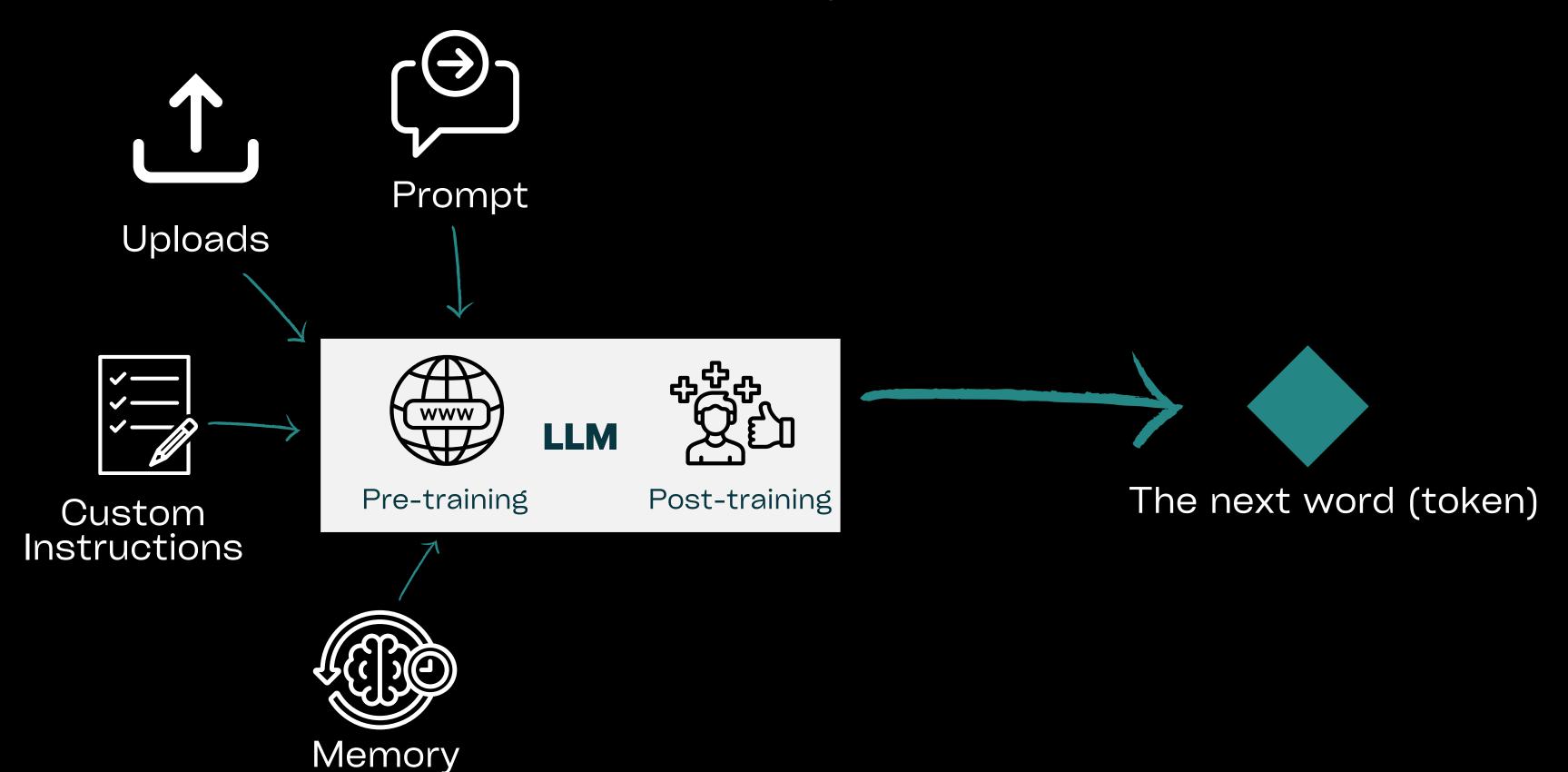


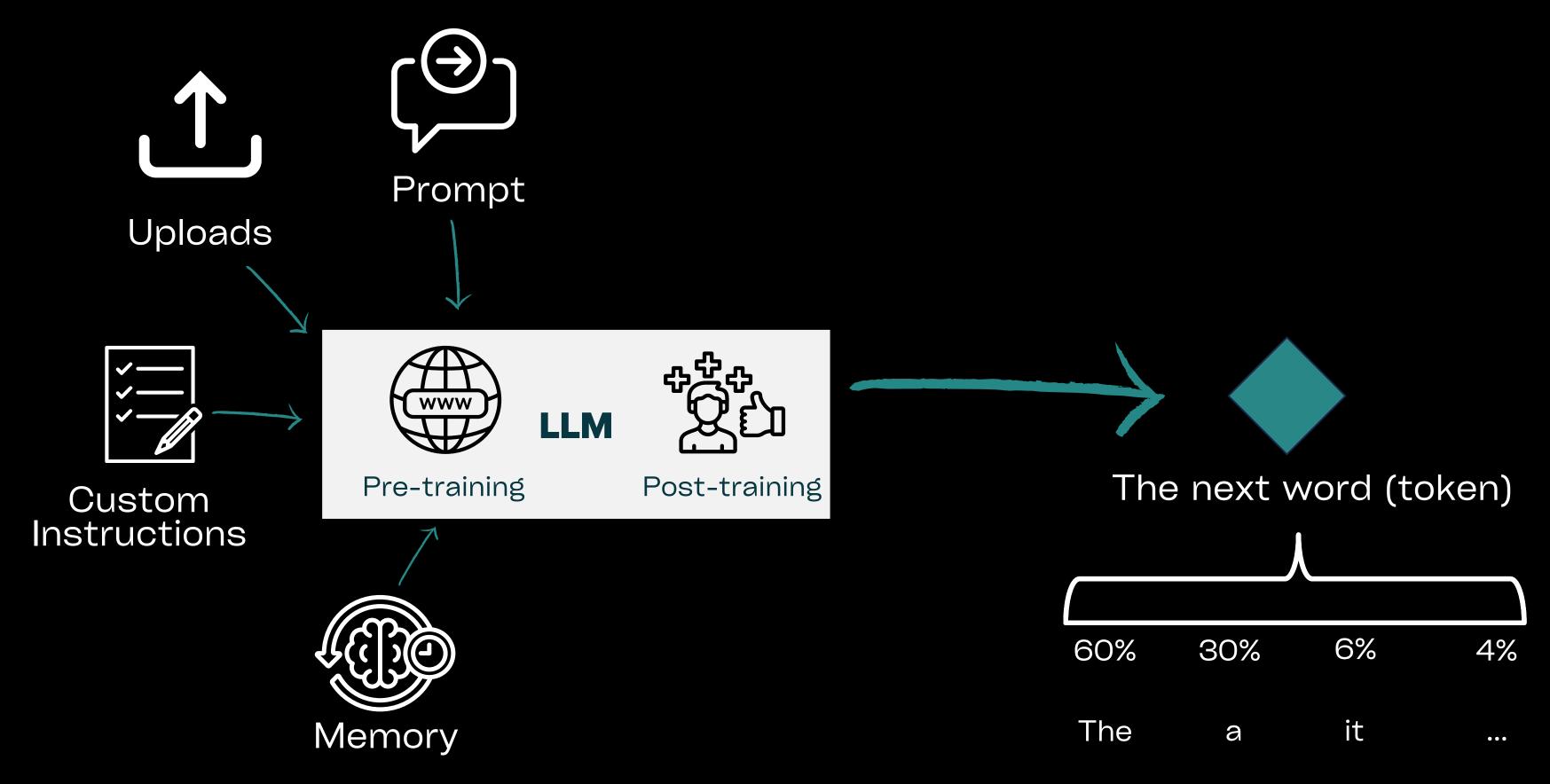


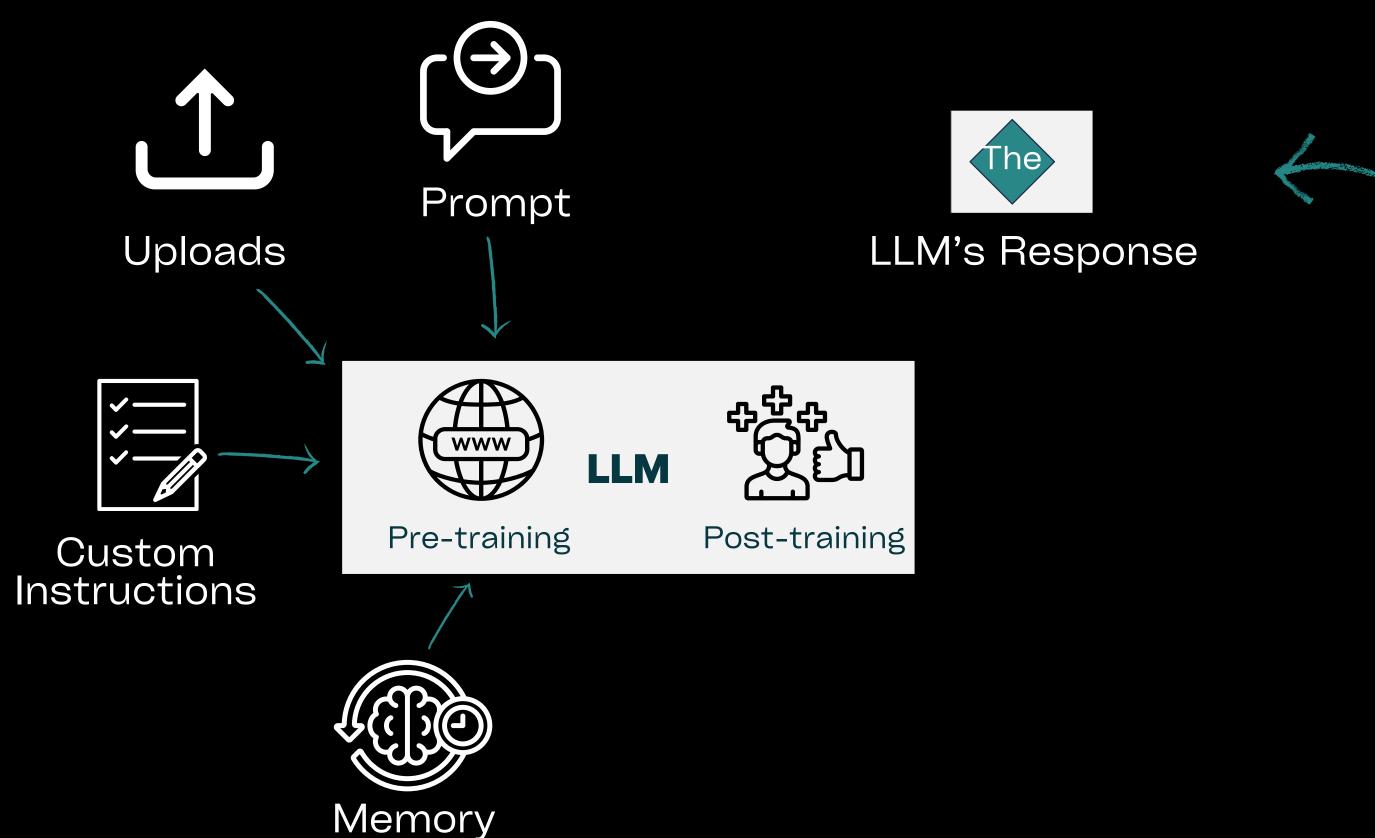


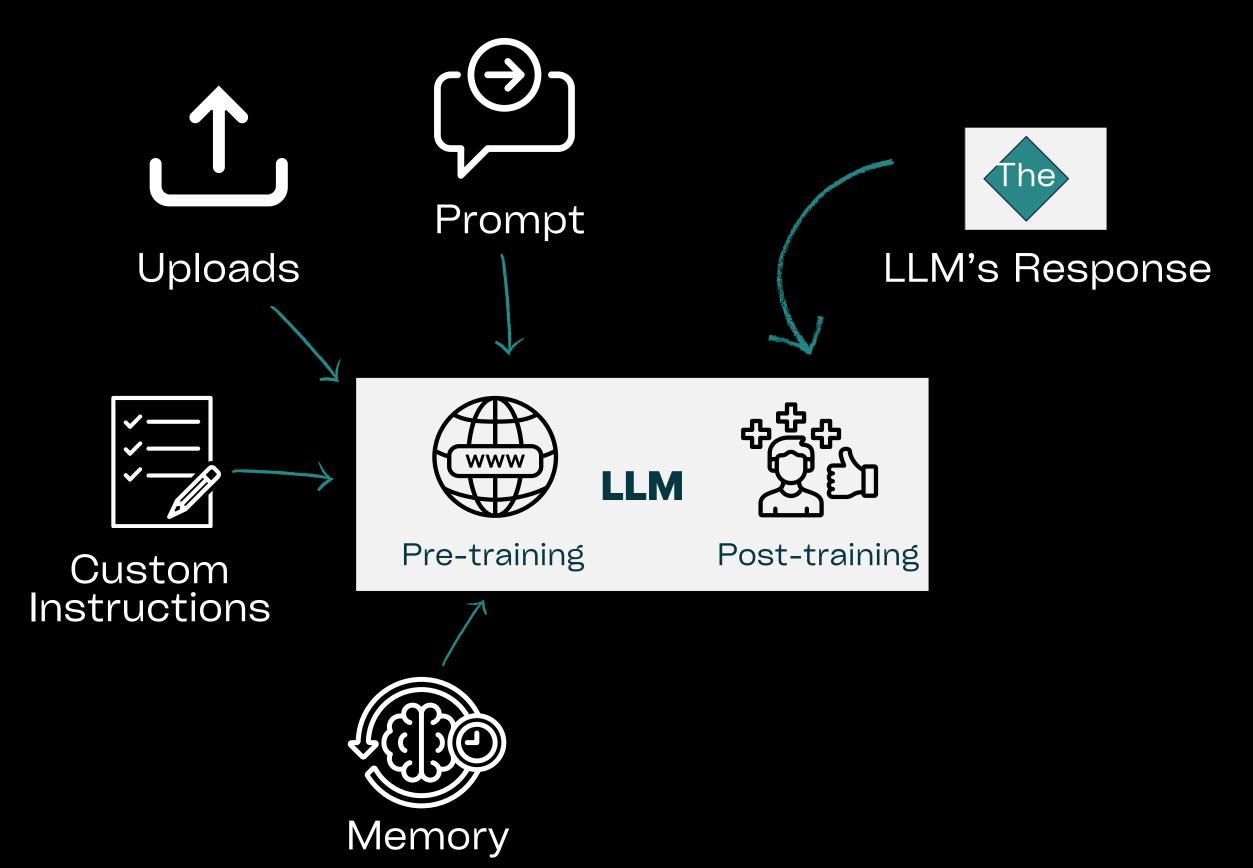


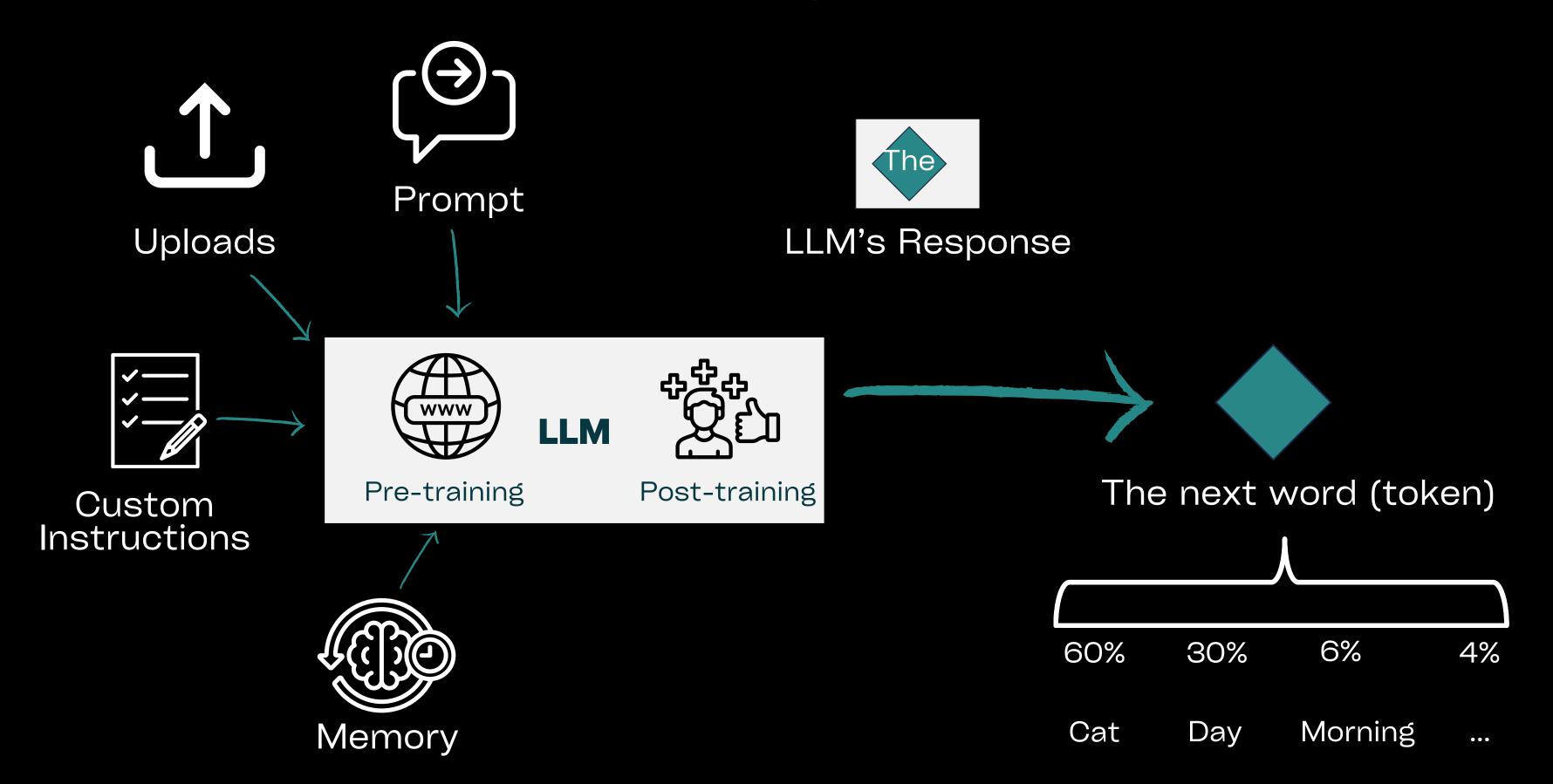




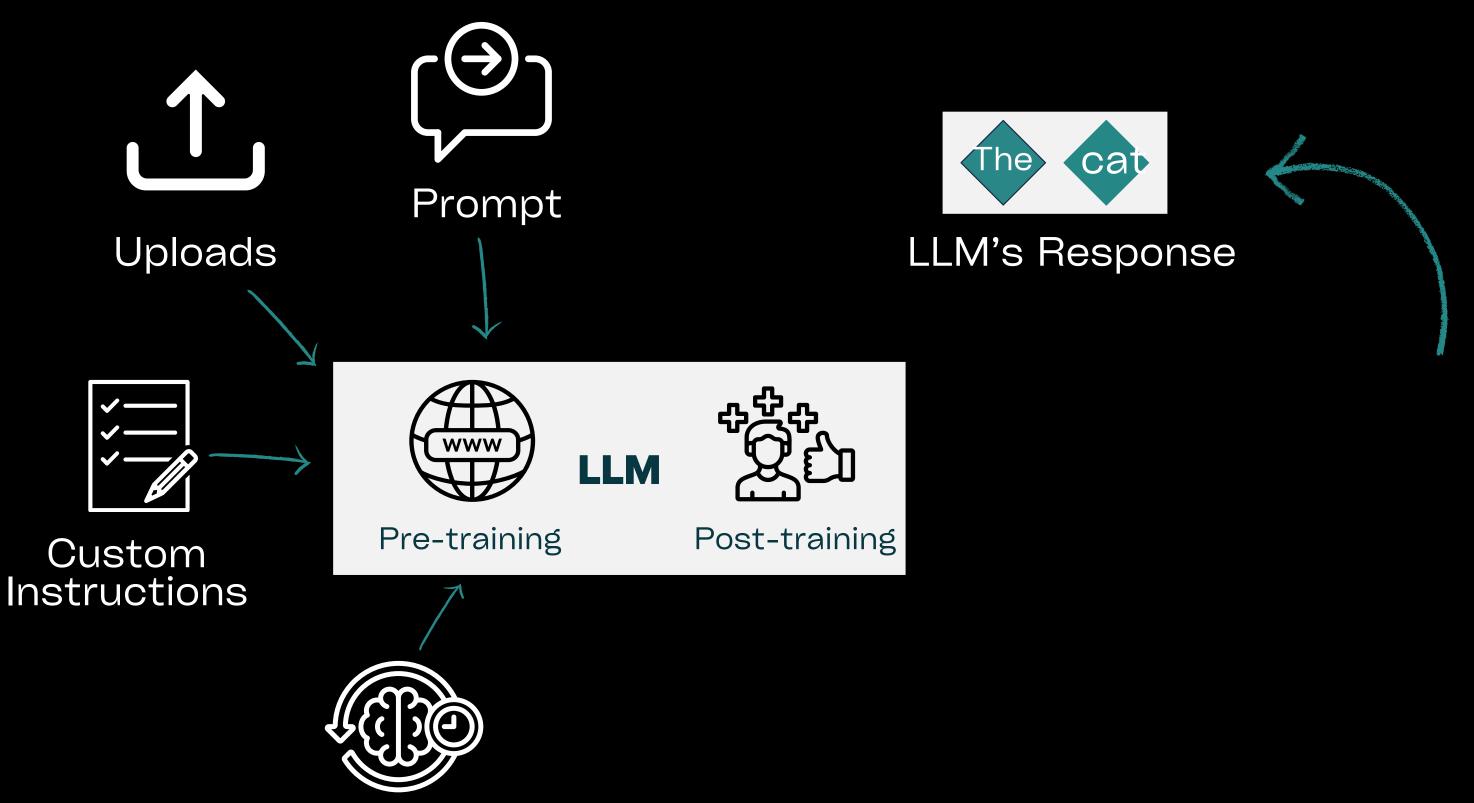




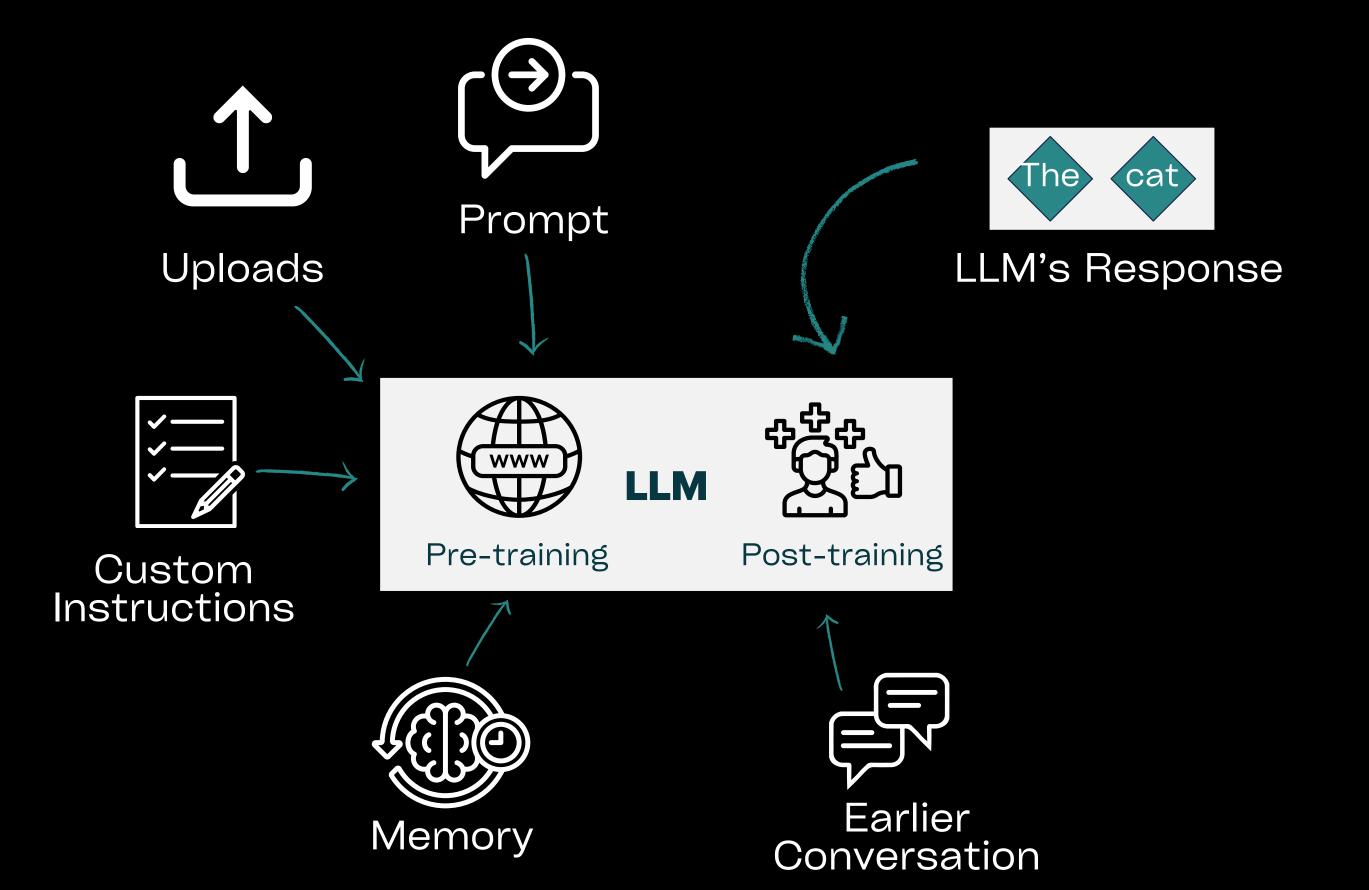




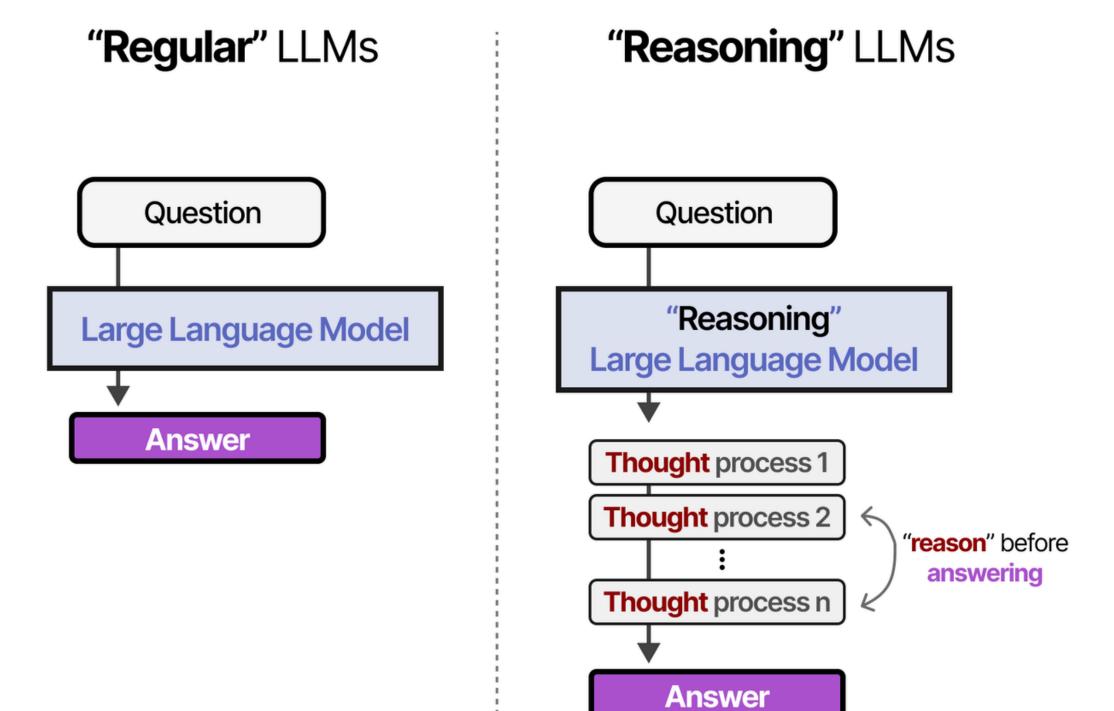
"Tell me a story about a cat"



Memory



Do they think?



Context Engineering 101

C: Character

O: Objective

C: Context

R: Readability

E: Examples

A: Additions

T: Template

O: Orient

R: Rationale

- O: Objective Suggest 3 underrated cities in Europe to visit in spring.
- C: Context ———— The reader is planning a two-week trip and prefers fewer tourists, affordable stays, and scenic spots.
- E: Examples ———— Example of tone: "Nestled in the hills, this city feels like stepping into a storybook."
- A: Additions Include one local food or drink for each city.
- T: Template [City Name] [Why it's special] [Local dish/drink]
- O: Orient ----> List them from least to most well-known.
- R: Rationale ———> The order helps the reader start with truly hidden gems and build excitement.

Which one should I use?











DEMO



- Tool Calling
- Agentic Al Sneak Peak