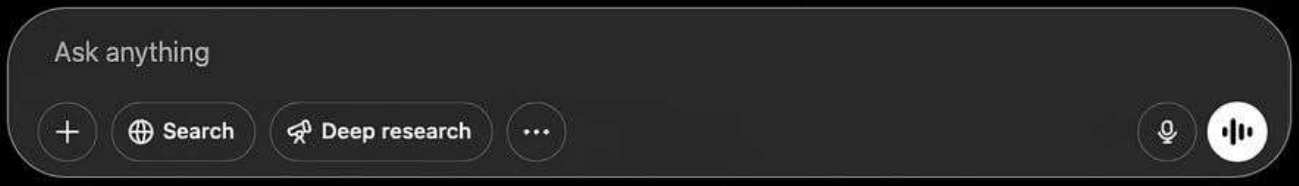
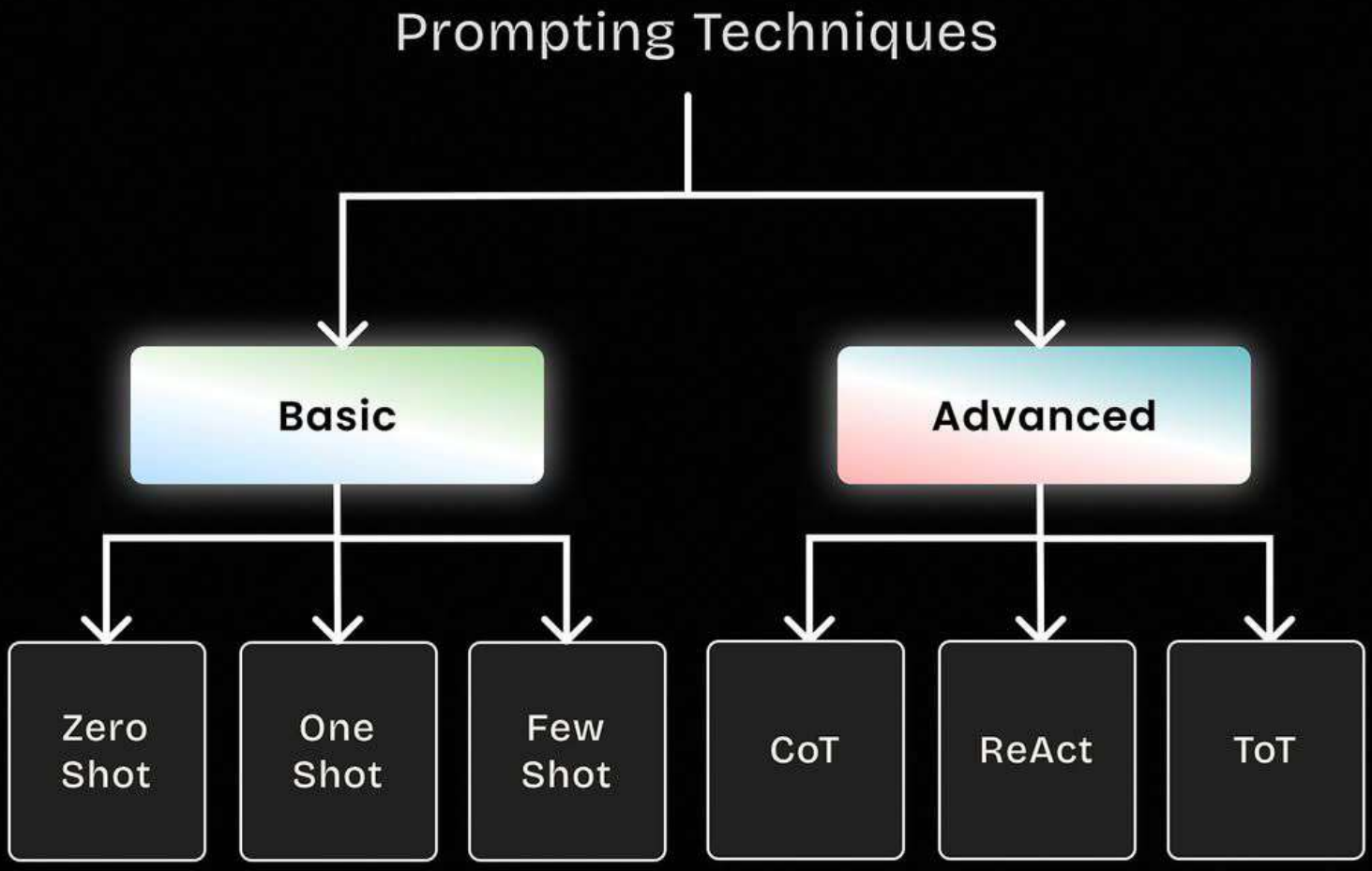
Prompting Techniques





Let's try and understand each of these techniques

Zero Shot

Direct task instruction without examples.
Relies on model's pre-trained knowledge.

EXAMPLE

Prompt: "Classify this review as positive or negative: 'The restaurant was incredible, best meal I've had all year.'"

Response: "Positive"

Difference

Zero Shot

CONTEXT PROVIDED

None

FLEXIBILITY

High (general-purpose)

ACCURACY

Varies (depends on AI model's training)

PREPARATION TIME

Low

BEST USE CASE

Broad, general topics

One Shot

CONTEXT PROVIDED

Single example

FLEXIBILITY

Medium example-dependent

ACCURACY

Higher (guided by example)

PREPARATION TIME

Medium (requires example)

BEST USE CASE

Specific, nuanced tasks requiring guidance

Few Shot

CONTEXT PROVIDED

Multiple examples

FLEXIBILITY

Medium to high (more adaptable to examples)

ACCURACY

Even higher (patterns established)

PREPARATION TIME

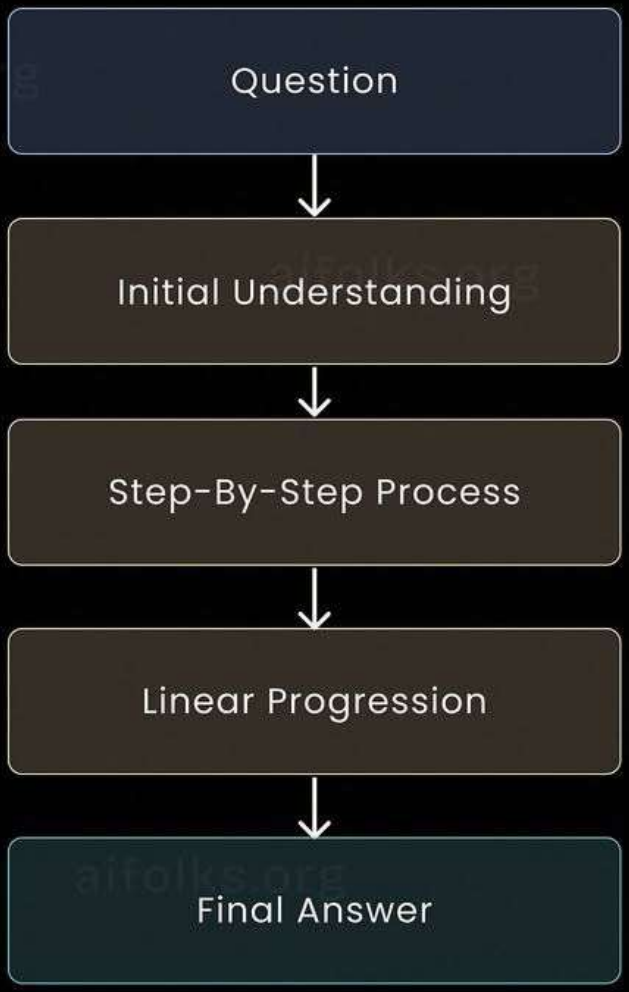
High (requires multiple examples)

BEST USE CASE

Complex or varied tasks needing precision and context

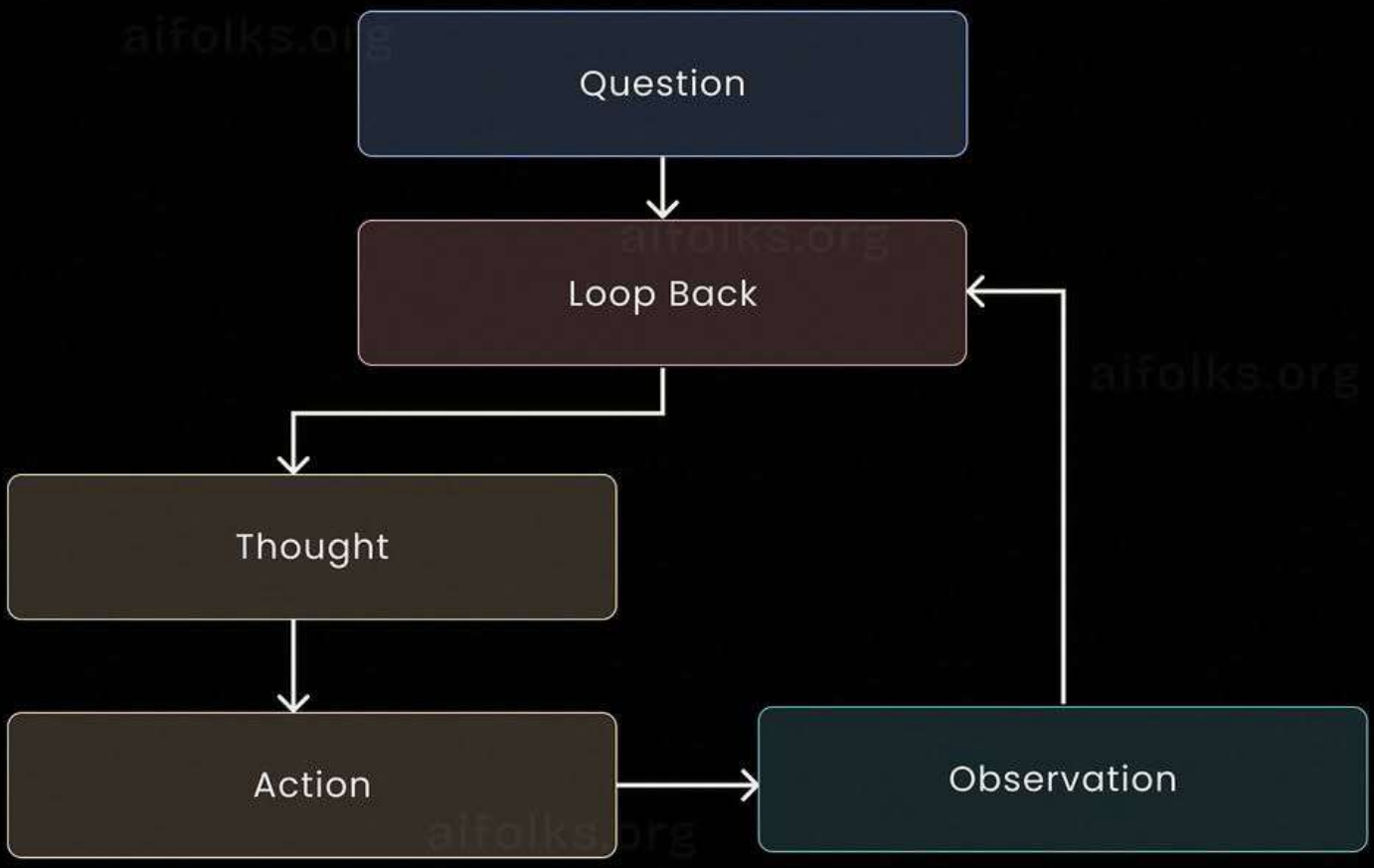
Chain Of Thought (CoT)

Prompting the model to show its step-bystep reasoning before reaching a final answer.



Reason + Act (ReAct)

Combines reasoning with actions in an iterative cycle, enabling tool use and information gathering.



Tree Of Thoughts (ToT)

Explores multiple reasoning paths in parallel, evaluating and selecting the most promising branches.