

What is Artificial Intelligence?

Welcome to a journey into Artificial Intelligence



www.anvriskh.com



THE TWO FACES OF AI

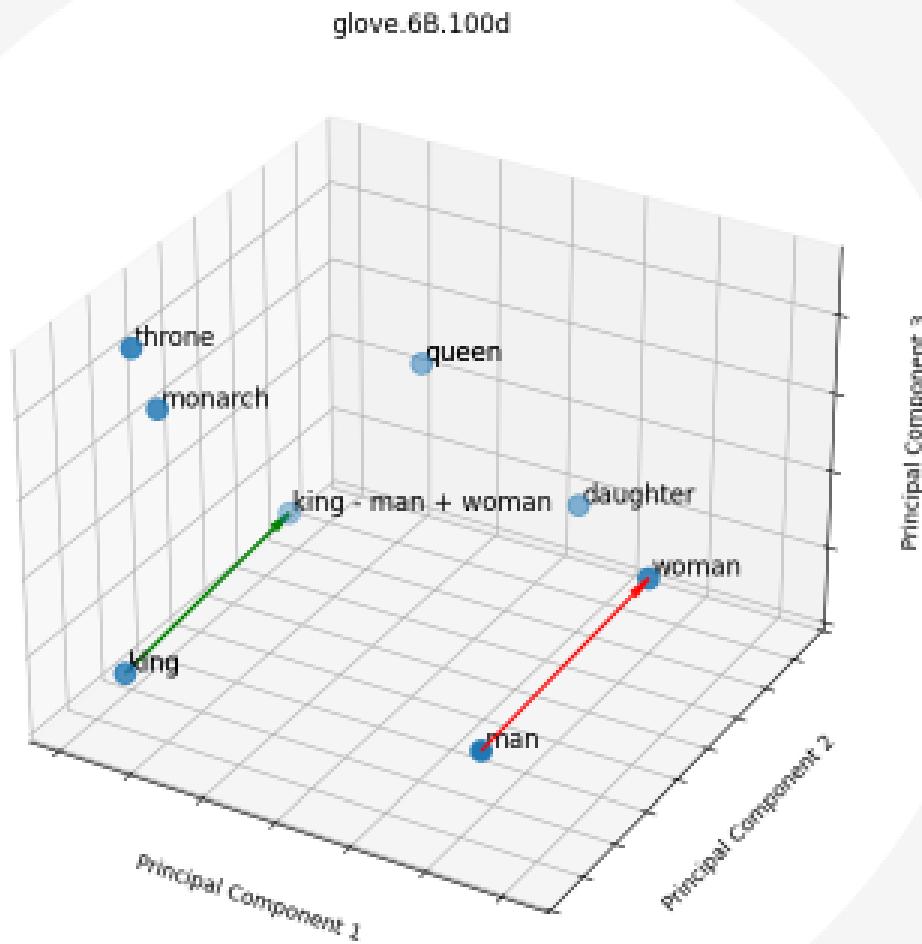
"Half of you are here because you're curious; the other half because you're worried AI will replace you. The truth? You've been trusting AI with your life every time you follow Google Maps. Today, we move past the movie myths and look at the machine."



PREDICTING

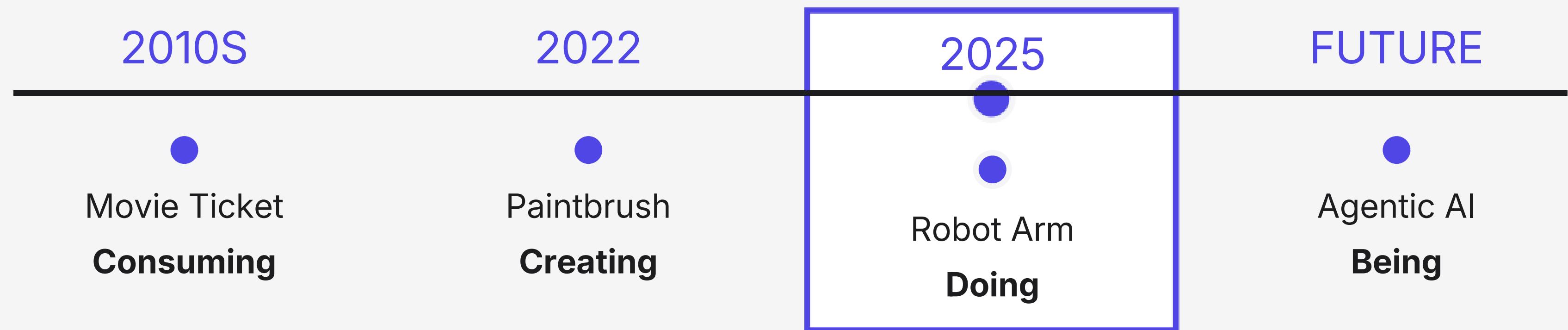
"You didn't need a dictionary to finish the sentence 'Twinkle Twinkle Little Star'. You predicted the next word based on patterns. That is exactly how ChatGPT works. It isn't 'thinking'; it's mathematically guessing the next likely word. It's Autocorrect with a PhD."

THE "LLM" CONCEPT



"We call them Large Language Models (LLMs). They have read the entire internet. They don't 'know' facts; they understand the relationships between words. That's why they can write poetry and code."

THE EVOLUTION TIMELINE



"We are right here in 2025. We mastered 'Creating'. Now we are moving to 'Doing'."

ENGINEERING: DESIGN & CAD

"In traditional CAD, you draw one design. With AI, you define the constraints (weight, load), and the AI generates 1,000 options. NASA uses this for landers. It's not about replacing the engineer; it's about giving the engineer superpowers."



MANUFACTURING TWINS

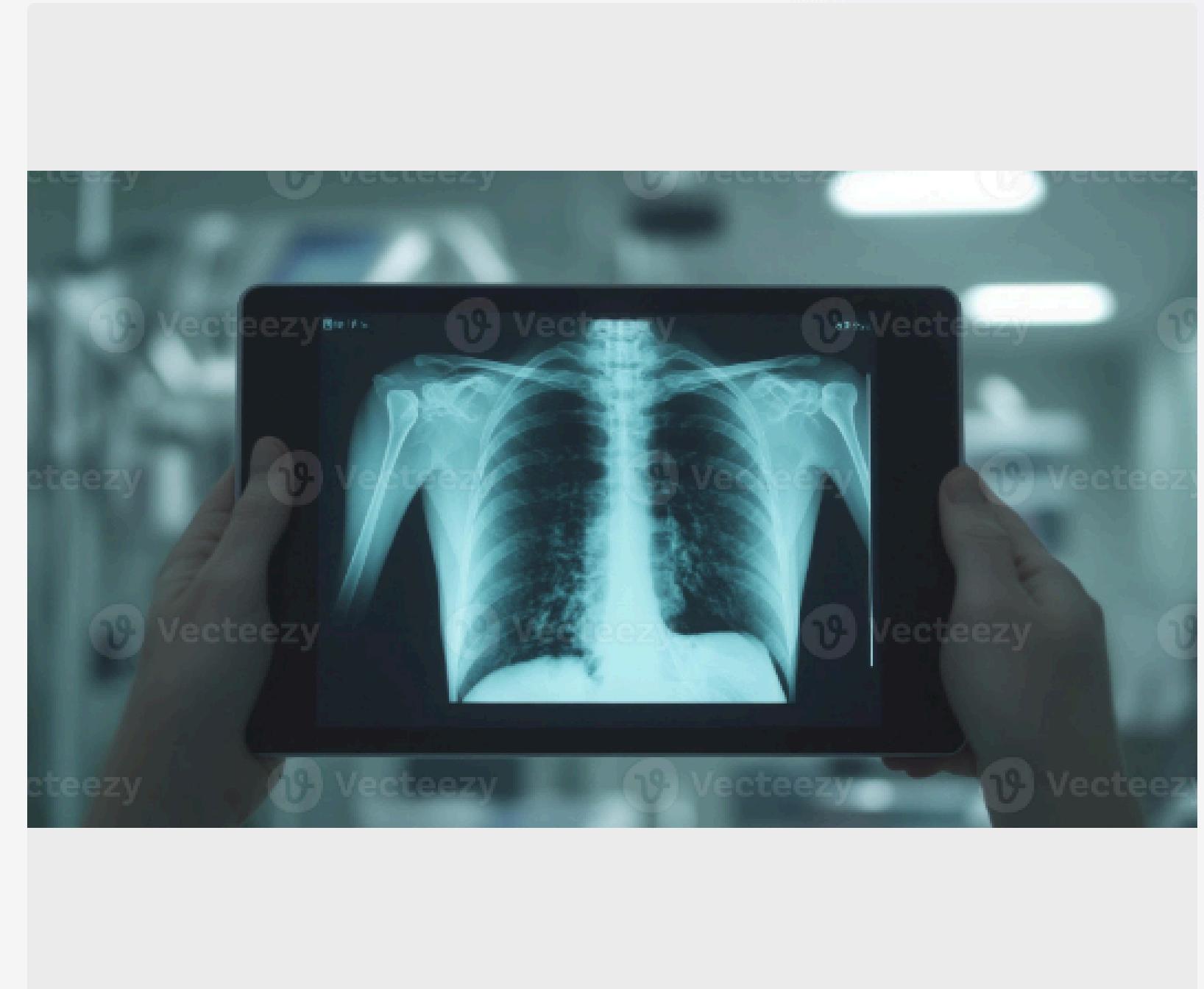
"Predictive Maintenance. AI listens to the vibration of a machine and predicts a breakdown 3 weeks before it happens. No more downtime."

▲21 Days to Failure Detected

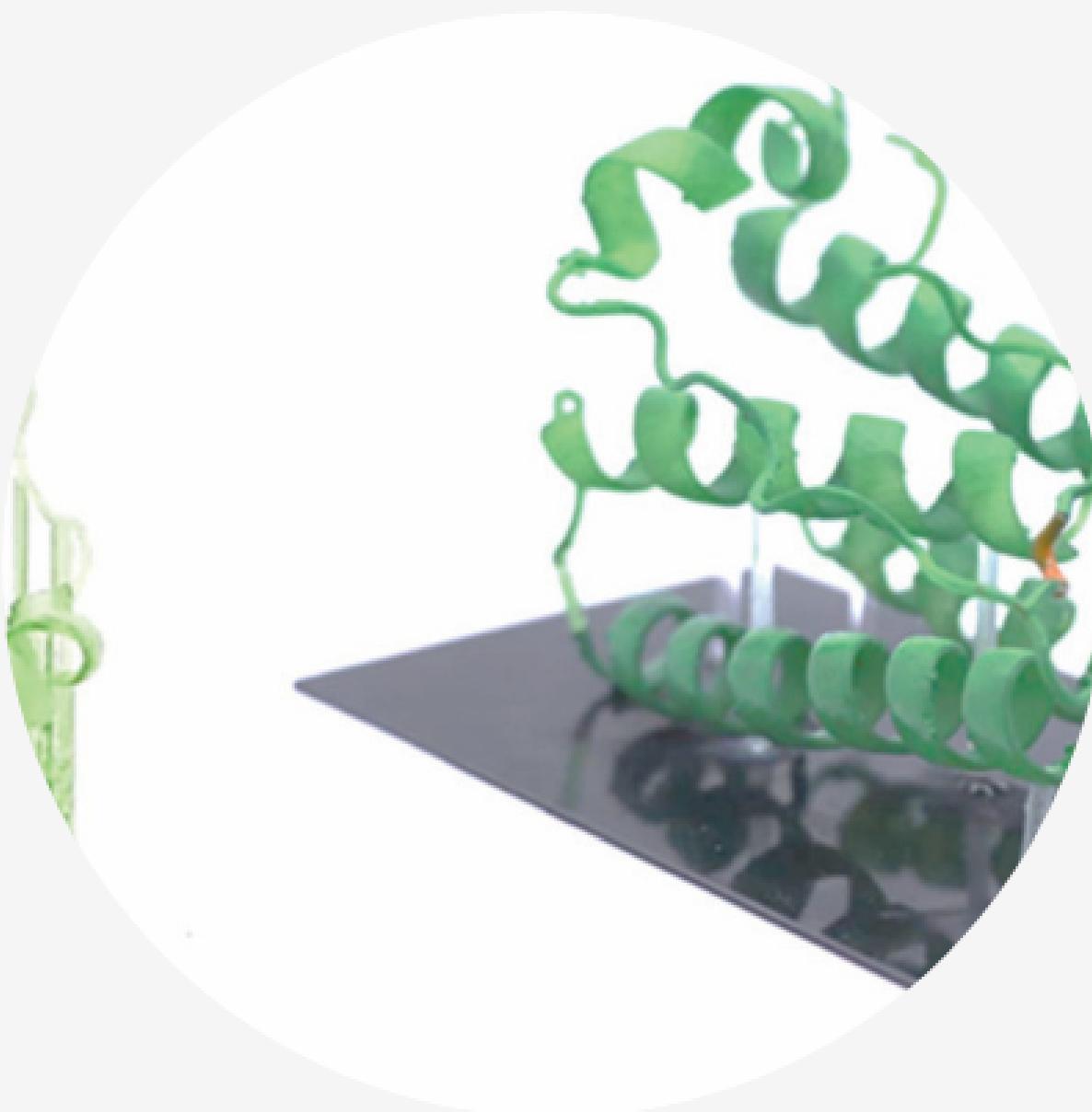


HEALTHCARE: DIAGNOSTICS

"AI is the 'Second Pair of Eyes.' It doesn't get tired. It doesn't have bad days. In radiology, it's catching cancer earlier than ever before."



HEALTHCARE: DISCOVERY



"For 50 years, we mapped a tiny fraction of proteins. AI mapped all of them in 18 months. This accelerates drug discovery from years to weeks."

SOFTWARE: THE CODING COPILOT

"Junior Devs, listen up. You are no longer just 'coders.' You are 'Code Reviewers.' AI writes the boilerplate. Your job is to architect the solution and debug the logic."

```
if os.path.exists(weights_path):
    model.load_weights(weights_path)
    # recompile so metrics/loss tied to optimizer
    model.compile(optimizer=optimizer, loss=loss)
    test_loss, test_acc = model.evaluate(x_test)
    print(f"[{run_name}] Final test loss={test_loss:.4f}")
else:
    # no saved weights (maybe training ended with error)
    model.compile(optimizer=optimizer, loss=loss)
    test_loss, test_acc = model.evaluate(x_test)
    print(f"[{run_name}] (no best weights file)")

tot_time = time.time() - t0

# return summary
return {
    "run_name": run_name,
    "device": device_name,
    "elapsed_seconds": elapsed,
    "best_val_loss": float(best_val) if best_val else None}
```



THE CONTENT BOOM

"Marketing teams used to spend weeks shooting commercials. Now, they can prompt them. This isn't just for Hollywood; it's for every company's Instagram."



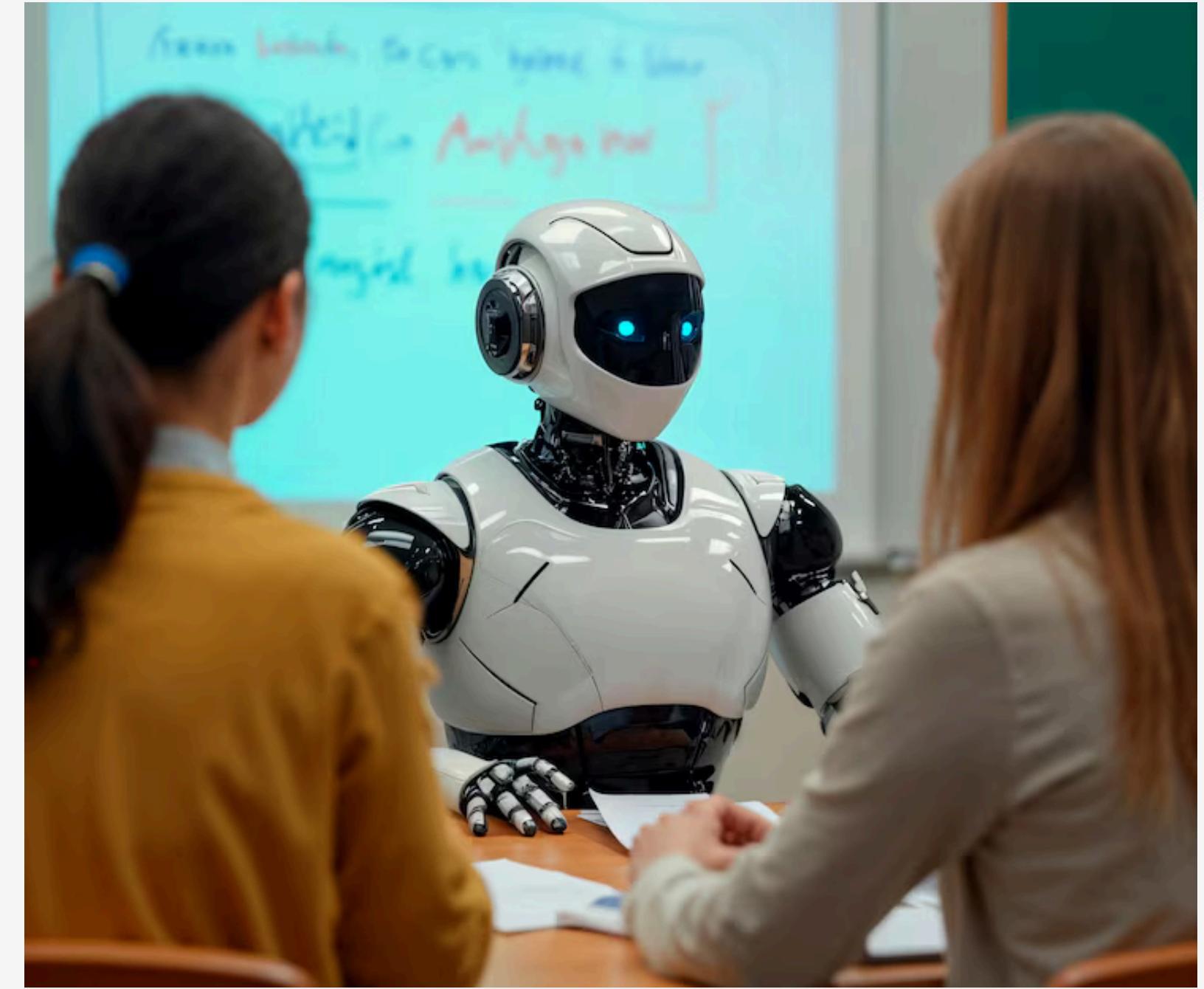
FINANCE: THE "BORING" REVOLUTION



"Analyzing contracts, detecting fraud in bank transactions, summarizing 100-page reports. AI handles the boring stuff so professionals can make decisions."

EDUCATION: PERSONALIZED TUTORS

"Imagine a tutor that knows exactly what you don't understand and explains it in a way you get. That is the future of learning."



WHAT IS "AGENTIC AI"?



CHATBOT

A Chatbot **Talks**. It responds to queries within a confined window.



AGENT

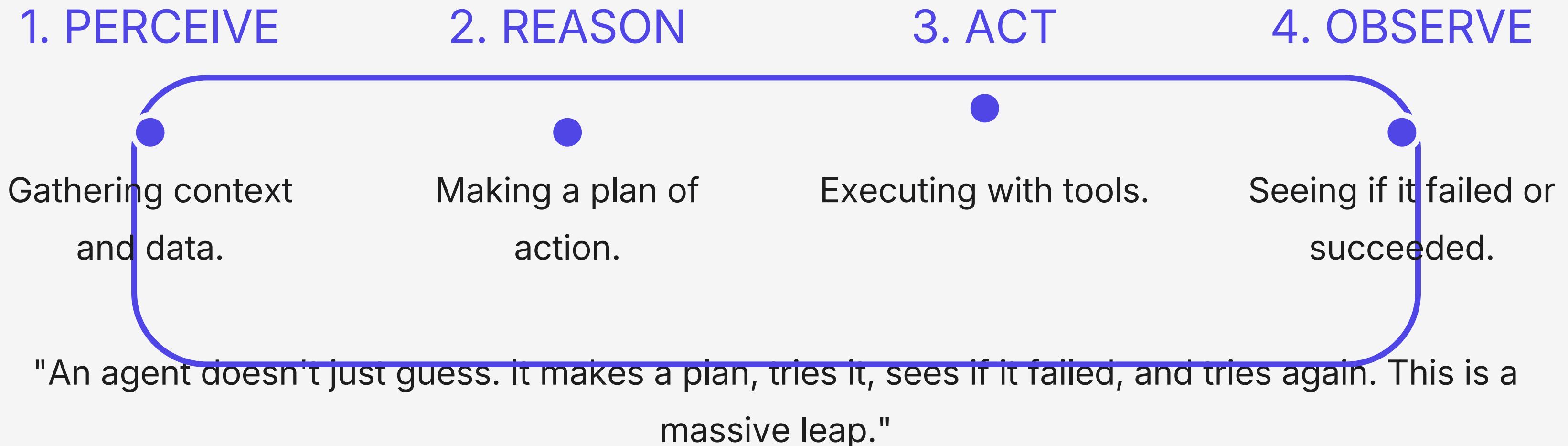
An Agent **Acts**. Agents have access to tools: browsers, email, code terminals.



IMPACT

Agents solve end-to-end problems without human intervention.

THE LOOP: HOW AGENTS THINK



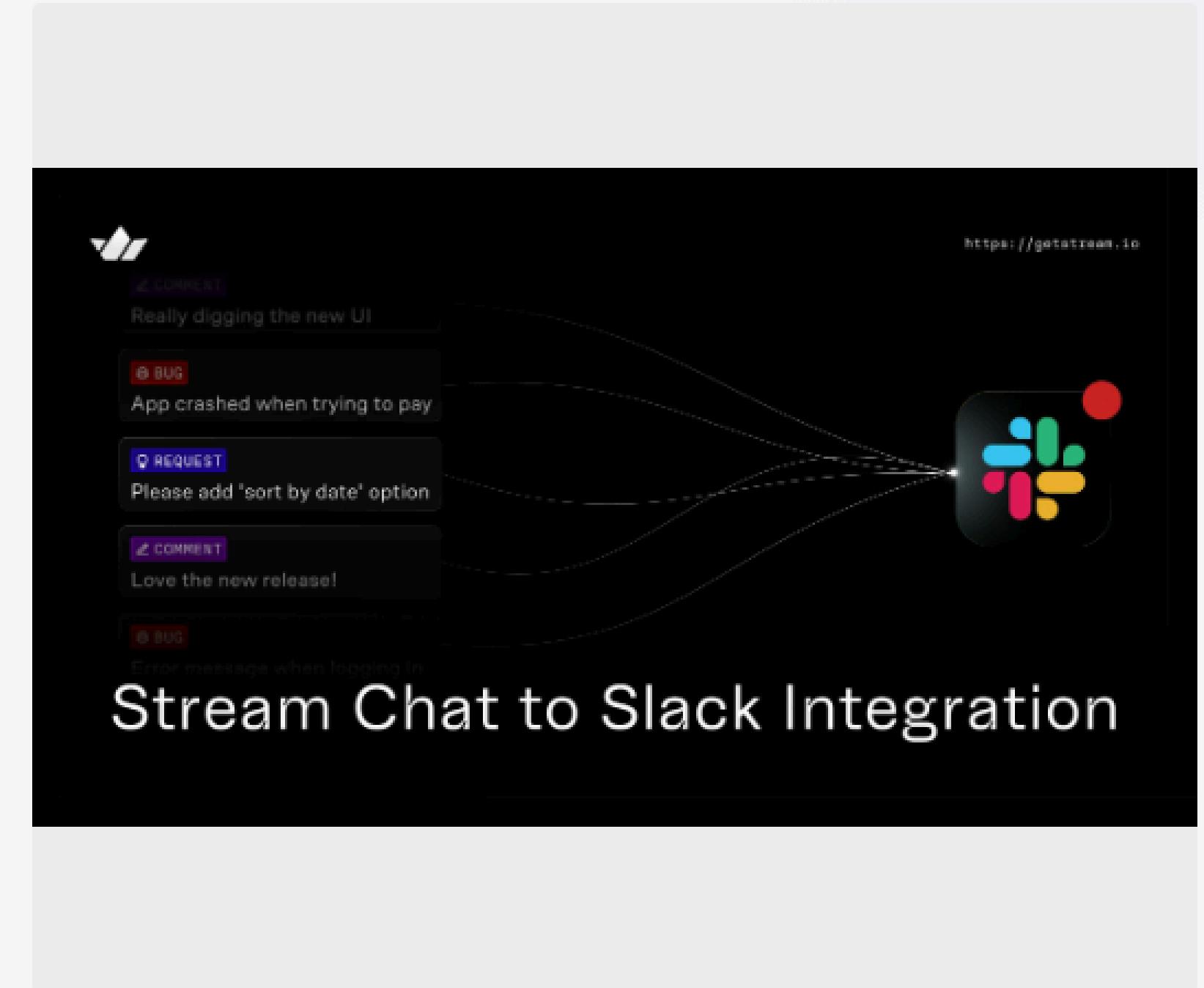
WHY NOW? REASONING MODELS

"New models take 10 seconds to 'think' before they answer. This 'thinking time' allows them to solve complex math and logic problems that old models couldn't."

The OpenAI logo, consisting of the word "openAI" in a large, lowercase, sans-serif font, with the "o" in "open" being a circle.

THE AI EMPLOYEE

"Imagine an AI that you add to your Slack channel. You tag it: '@AI, fix the login bug.' It finds the code, writes the fix, tests it, and pushes the update. That is reality today."





FUTURE WORKPLACE

"In 5 years, you won't just manage people.
You will manage a fleet of AI agents
working for you."

Human + 3 Digital Assistants

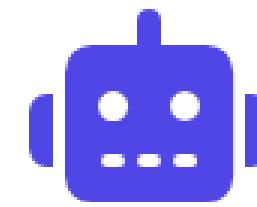


THE "LIAR" PROBLEM

"Why does AI lie? Because it wants to please you. If it doesn't know the answer, it makes up a plausible-sounding one. It prioritizes confidence over truth."



CAN WE TRUST IT?



AI OUTPUT

The raw generated data.



HUMAN CHECK

Verify logic and facts.



FINAL PRODUCT

Trust, but verify.

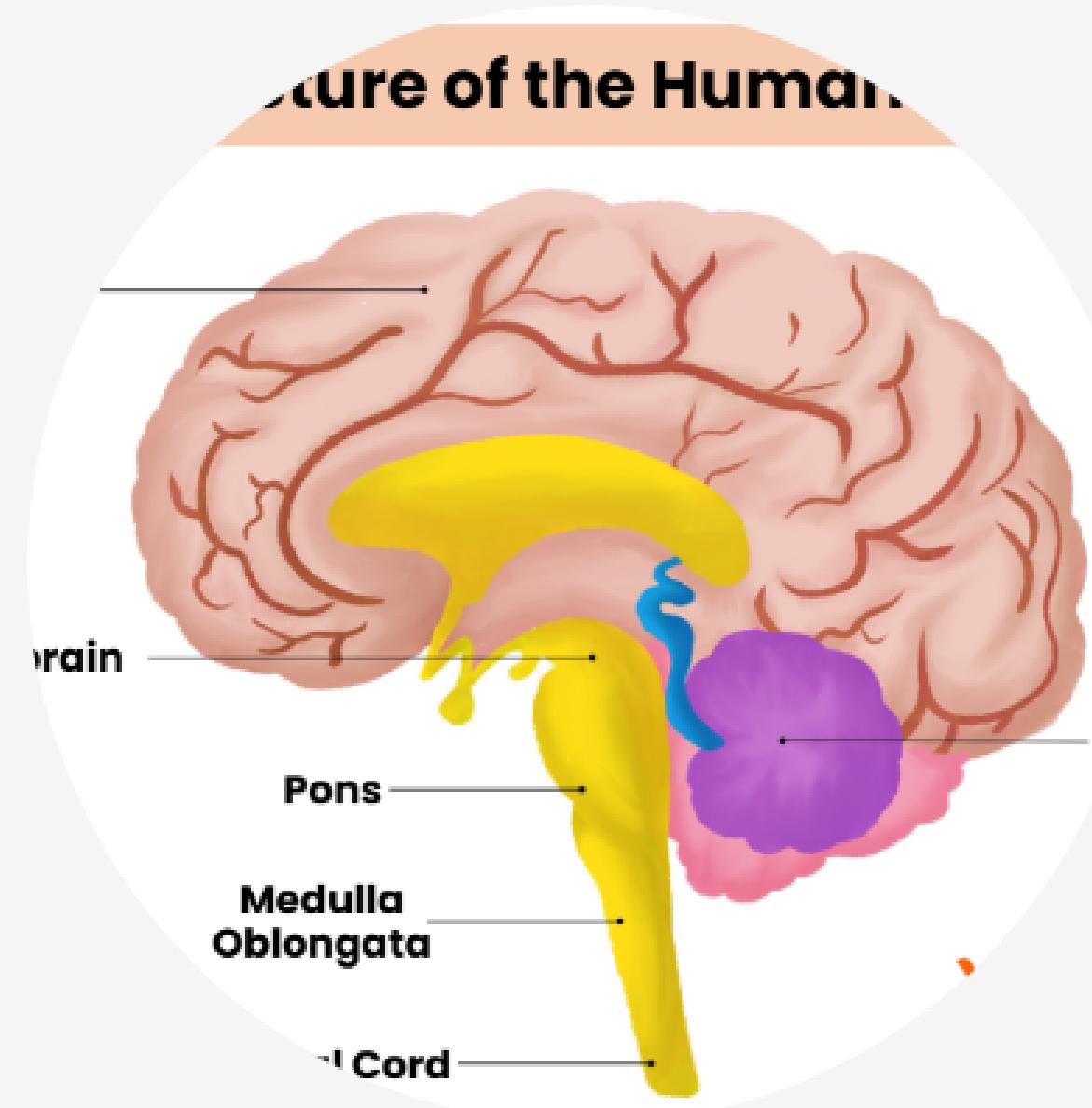
"Do not treat AI as an Oracle. Treat it as a Intern."



IT'S ALIVE IT'S MATH

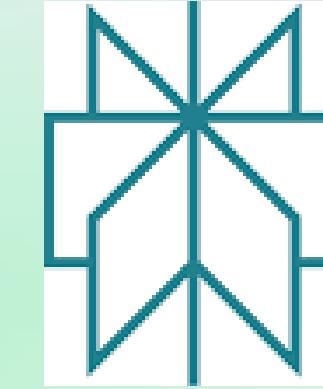
"Don't fall for the hype. AI doesn't 'feel' or 'want'. It computes. Anthropomorphizing it leads to bad decisions."

FIXING THE TRUST GAP



"Companies are solving this by forcing AI to look at their documents before answering, rather than just guessing from the internet."

YOUR MONDAY MORNING TOOLKIT



perplexity



Copilot



"You don't need to be a coder. Start small. Replace one Google search a day with Perplexity."



PREDICT THE FUTURE BY INVENTING IT.

"The gap between you and the 'experts' is just curiosity. Don't just think about AI. Go home, open an account, and build something. Thank you."