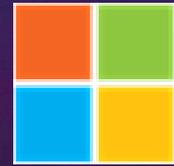


What is AI? Why should I care?

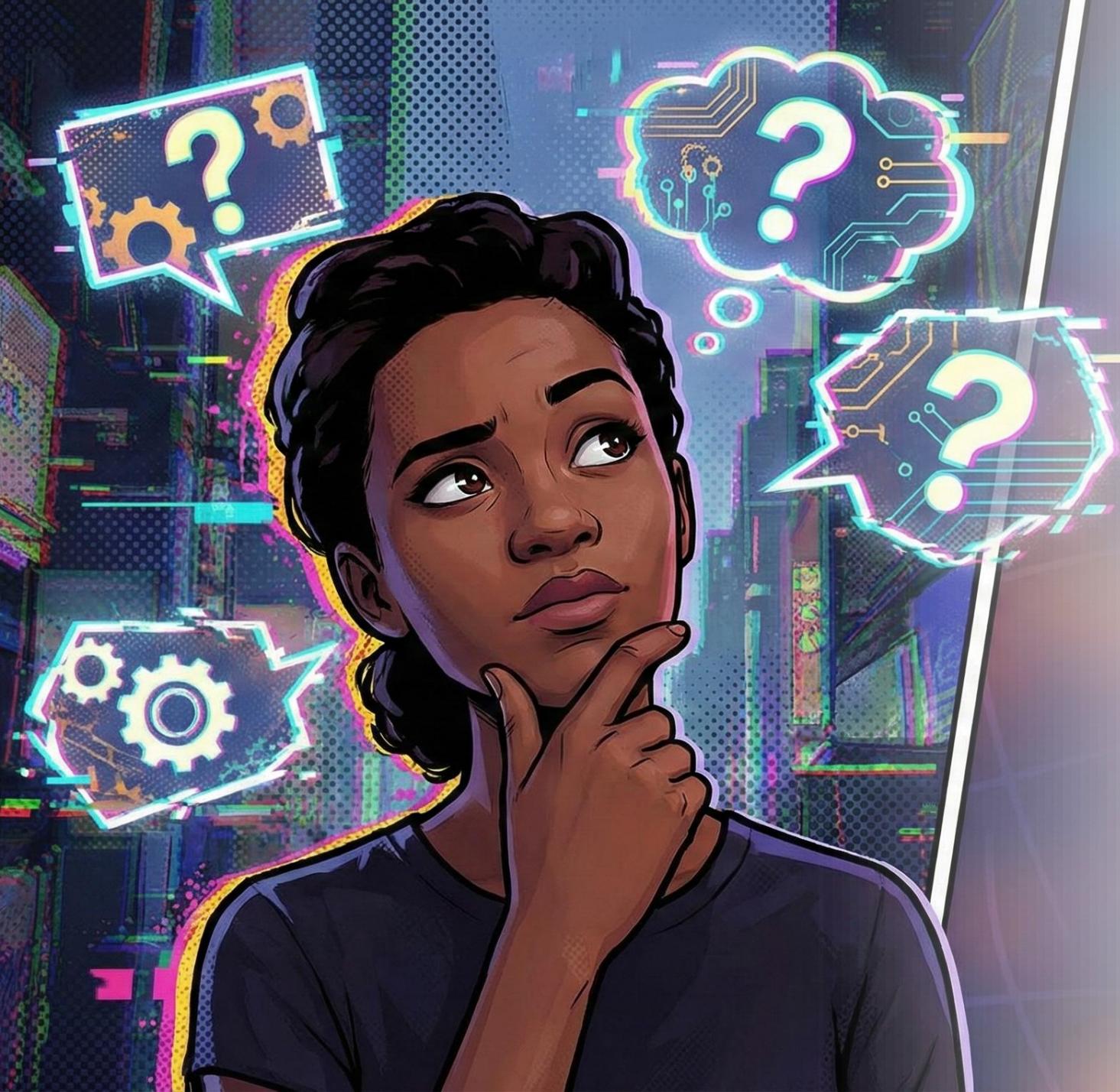
Today's Speakers



Ricardo Wilkins
Senior Cloud & AI Solution Engineer



Charles Stacy Harris III
Senior Software Architect



What Is Artificial Intelligence?

Definition of AI

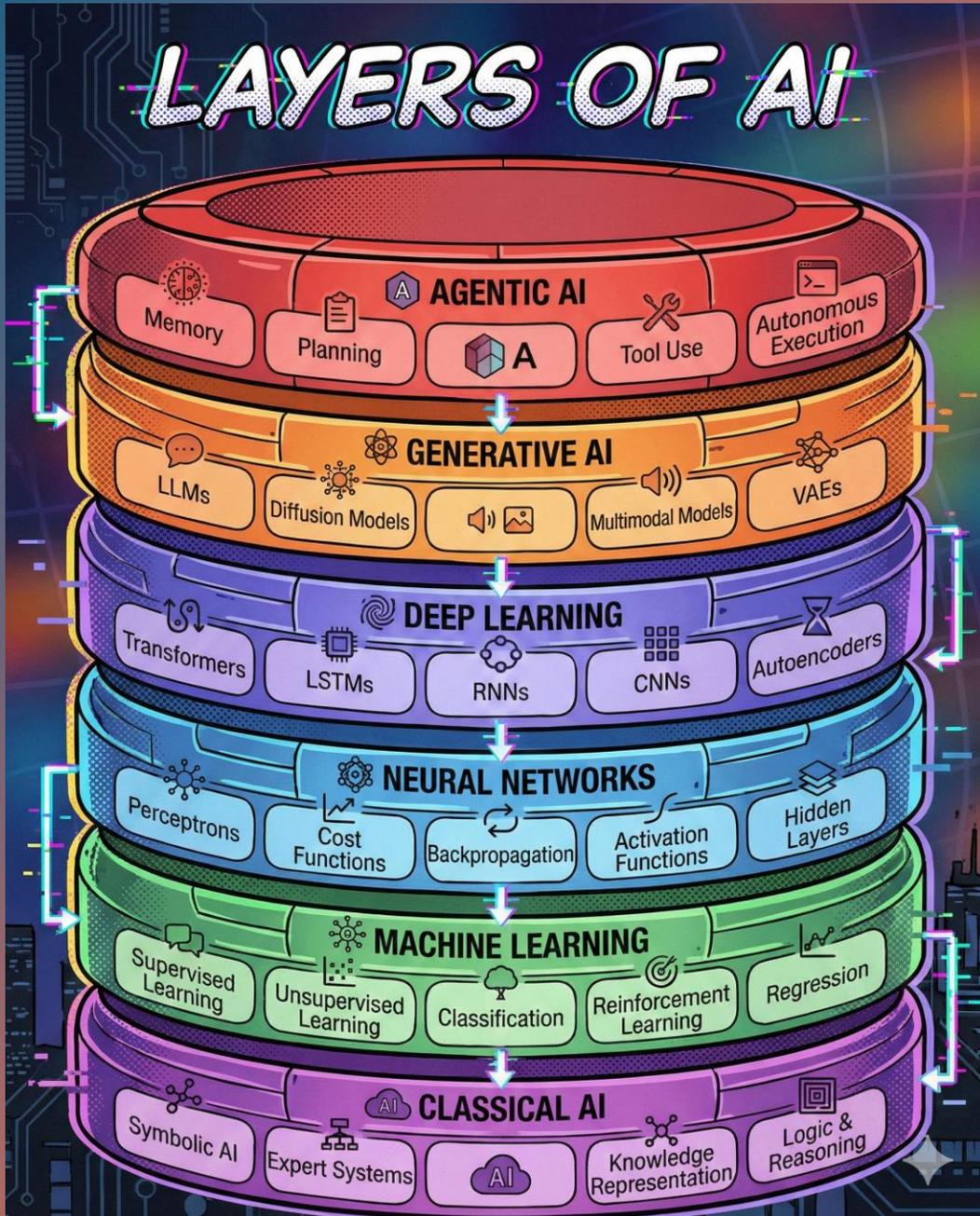
AI involves computer systems performing tasks requiring human intelligence like problem-solving and pattern recognition.

AI Task Examples

Tasks of AI include language understanding, visual perception, and recognizing patterns in data.

Narrow vs General AI

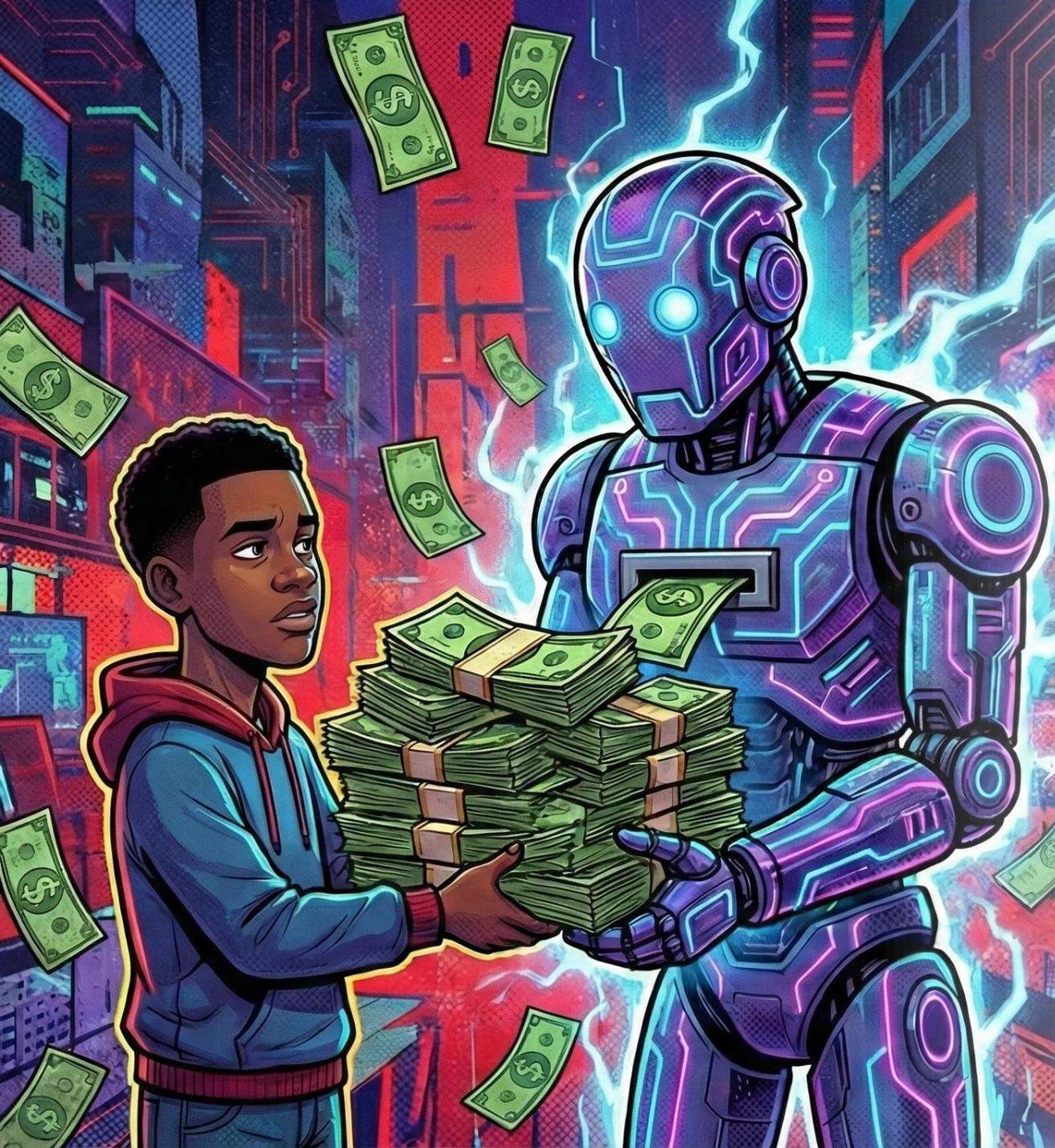
Narrow AI targets specific tasks like voice assistants, while general AI aims for broad human-like cognitive functions.



There's a lot to AI...

In the News

Your IG probably shows you the first 2 layers only...



Why Are AI Systems Costly to Develop and Run?

Computational Resource Investment

Training AI models requires powerful GPUs or TPUs running continuously for extended periods, increasing energy and financial costs.

Infrastructure and Deployment Costs

Building and operating the infrastructure for AI testing and deployment involves substantial financial and technical resources.

Expert Talent and Maintenance

Skilled professionals are required to develop, test, and maintain AI systems, contributing significantly to overall costs.



The Role of Data in AI

Importance of Data in AI

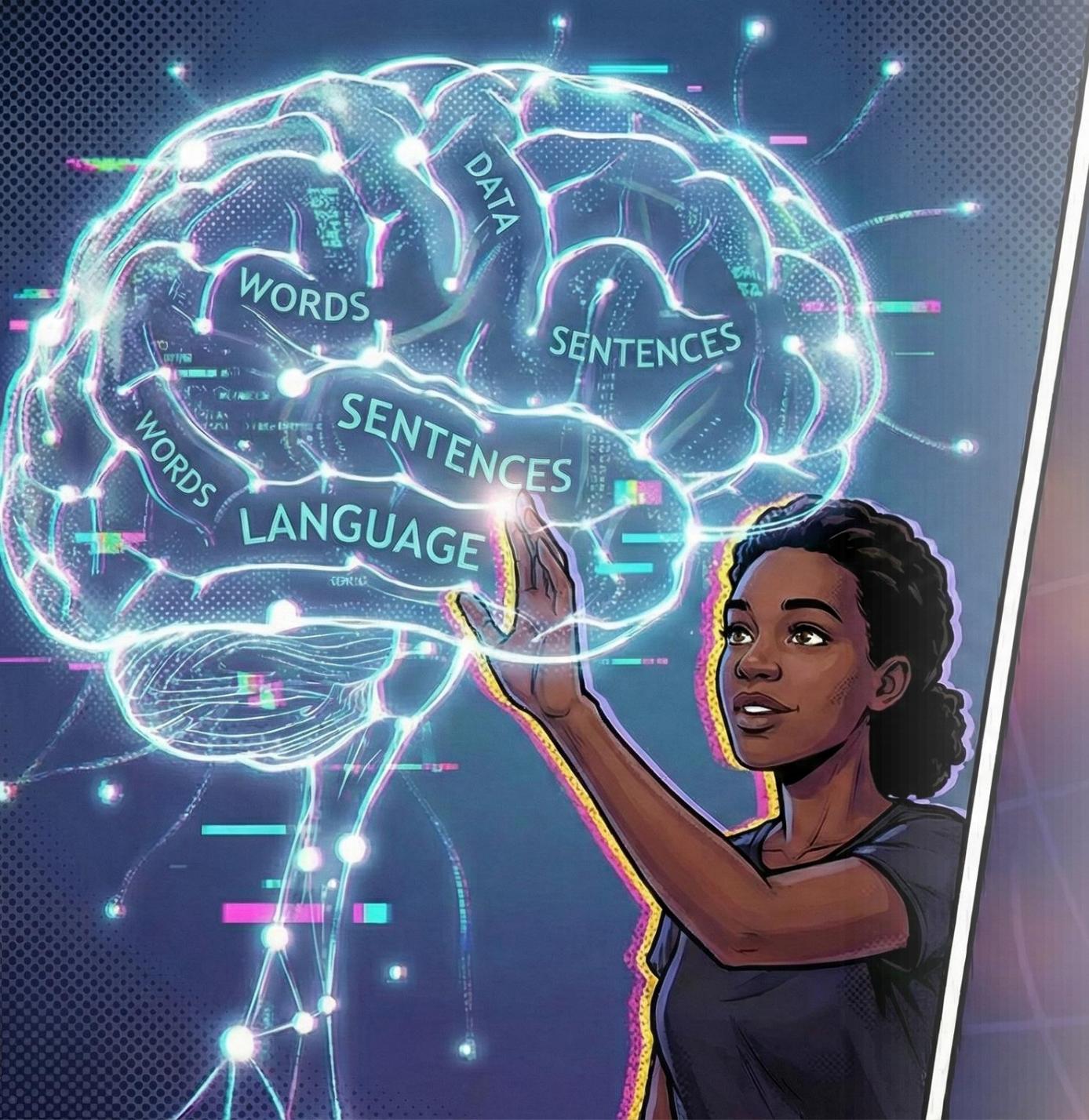
Data acts as the essential fuel driving machine learning algorithms to learn and improve over time.

Large Volume Requirements

AI models require thousands to millions of labeled data examples to accurately recognize patterns and objects.

Quality and Diversity

High-quality, diverse datasets help reduce **bias** and enhance the reliability of AI applications across scenarios.



What Is a Large Language Model (LLM)?

Advanced AI Language Systems

LLMs are sophisticated AI models trained on vast text datasets to understand and generate human-like language.

Applications of LLMs

They power chatbots, translation tools, and content creation by predicting text based on context.

Computational Complexity

LLMs operate on billions of parameters, enabling nuanced understanding but requiring significant computational resources.



AI Services

Computer Vision

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Document Processing

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Translation

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Image Generation

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AI DEMONSTRATION



CLICK TO START





Questions?