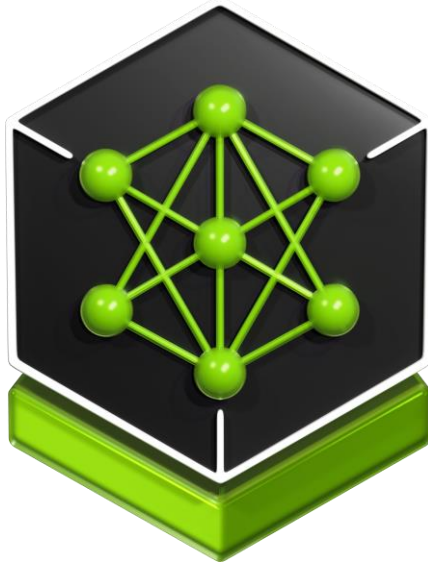




## Next Steps

# NVIDIA NIM: Optimized AI Models Run Up to 5X Faster

Community Models – Partner Models – NVIDIA Models



## NVIDIA INFERENCE MICROSERVICE

Pre-Trained AI Models  
Packaged and Optimized to Run Across  
CUDA Installed Base



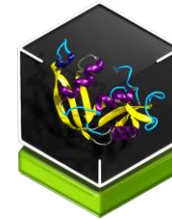
Speech



Digital Human



Computer Vision



Biology



Simulation



Language



Regional  
Language



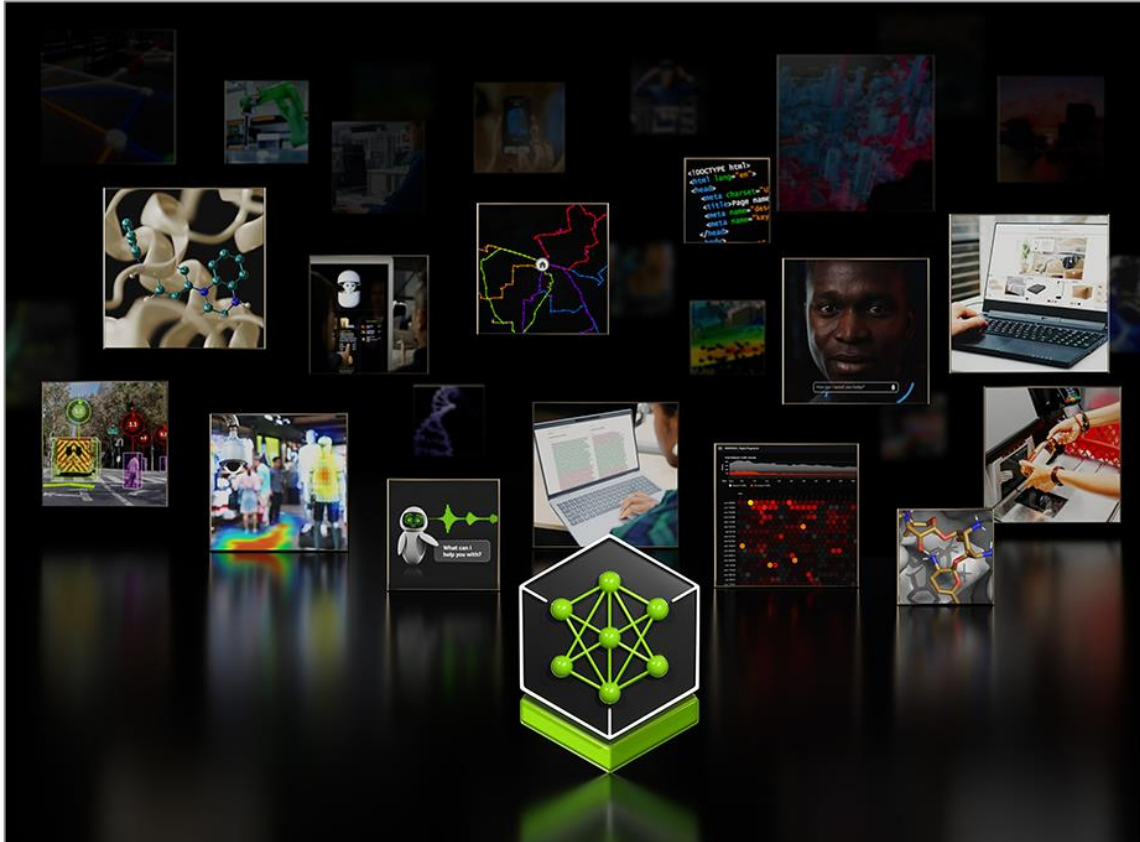
Vision  
Language



RAG

# Next Steps

## NVIDIA NIM Agent Blueprints



### NIM Agent Blueprints

New blueprints releasing every month

1

Experience at [build.nvidia.com](https://build.nvidia.com)

2

Download and run  
on your own infrastructure

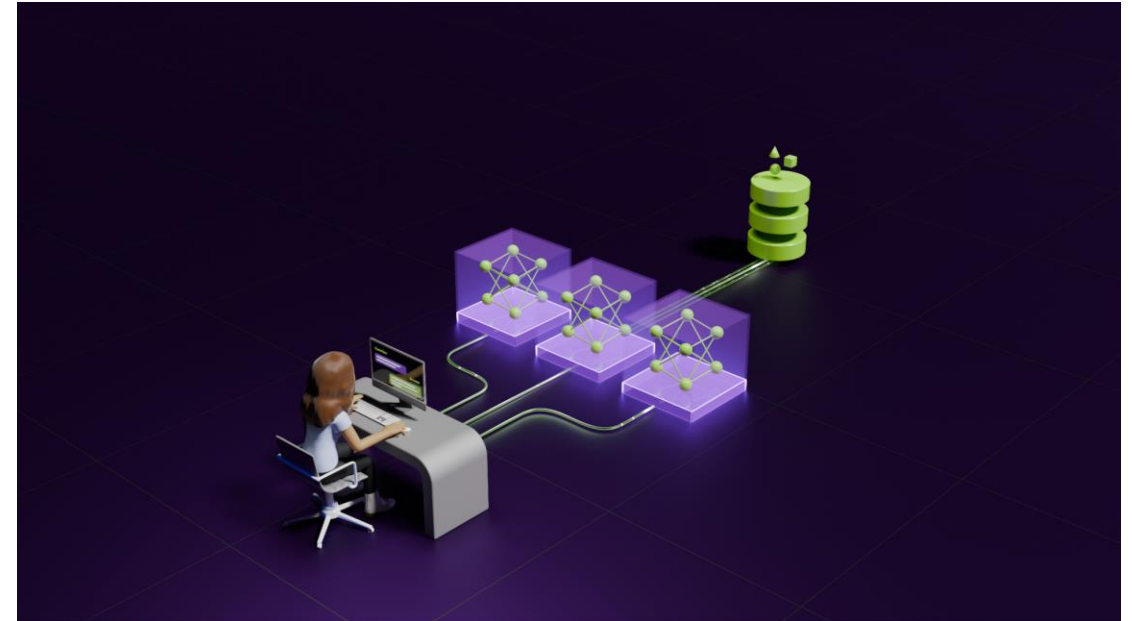
3

Contact an NVIDIA partner for  
assistance with customizing for your  
own business

# LLM Tool Calling

Ability of LLMs to interact with external tools, APIs, or functions to perform tasks beyond text generation

- Equip NIM applications with agentic tools to enhance larger automation systems
- Enables autonomous agents and other AI applications to fetch real-time data, perform actions, and interact with external systems
  - Bridge the gap to new, real-world use cases that significantly enhance productivity and the user experience
- Steps:
  1. Defining tools
  2. Prompting the LLM
  3. Generating tool calls
  4. Executing tools
  5. Incorporating results into an LLM response

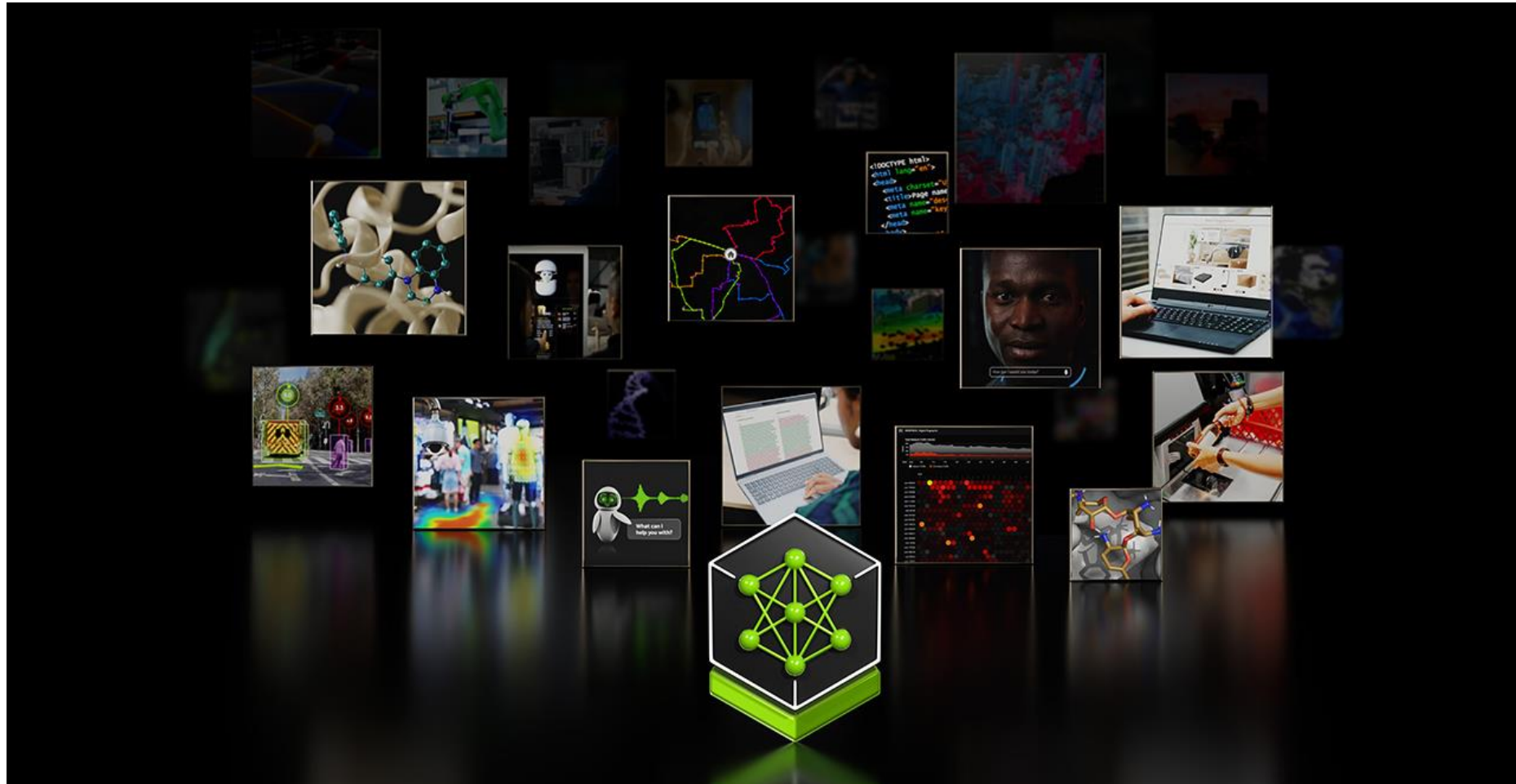


<https://developer.nvidia.com/blog/spotlight-xpander-ai-equips-nvidia-nim-applications-with-agentic-tools/>

Details are found [here](#)

# NVIDIA NIM Agent Blueprints

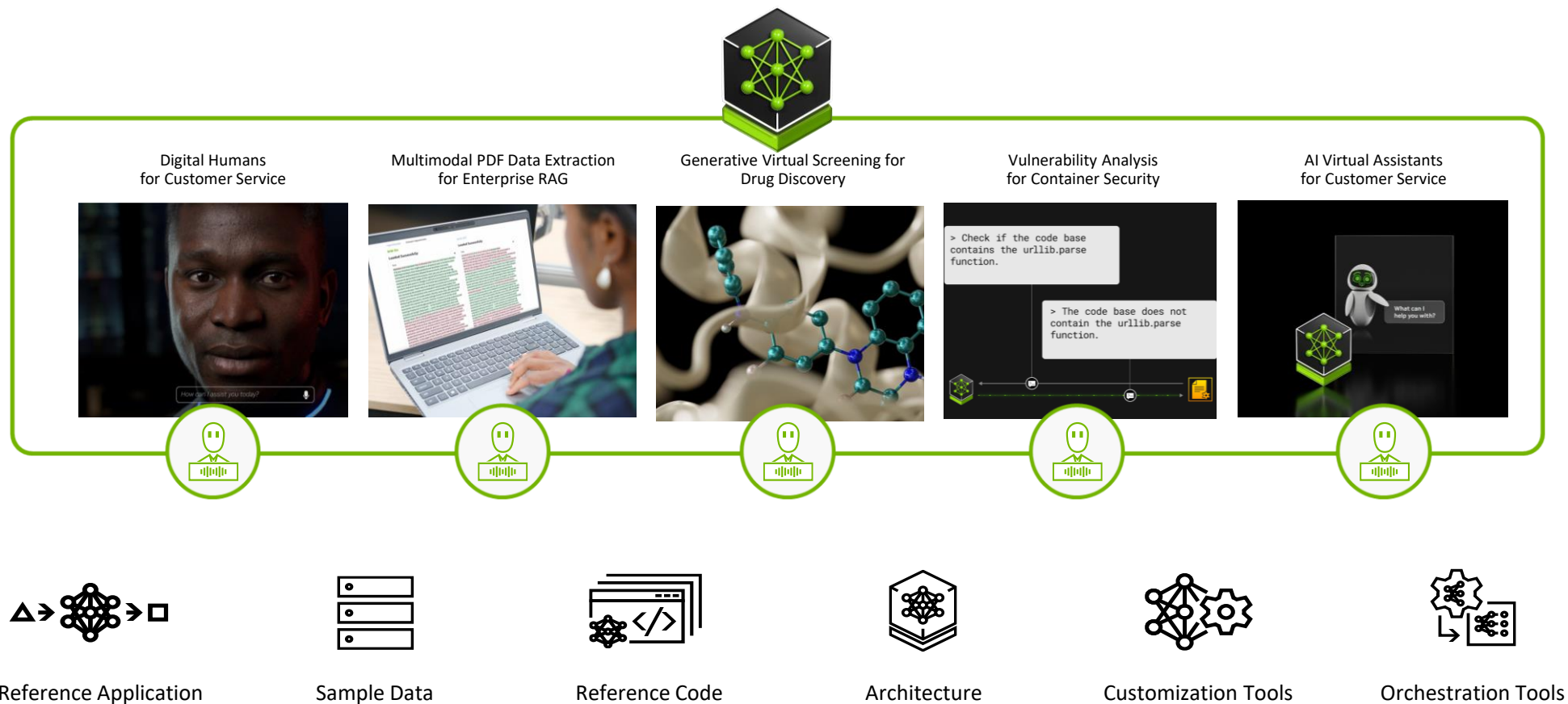
## Reference AI Applications That Power Enterprises With Their Own AI Flywheel





# NVIDIA NIM Agent Blueprints

Available on [build.nvidia.com](https://build.nvidia.com)

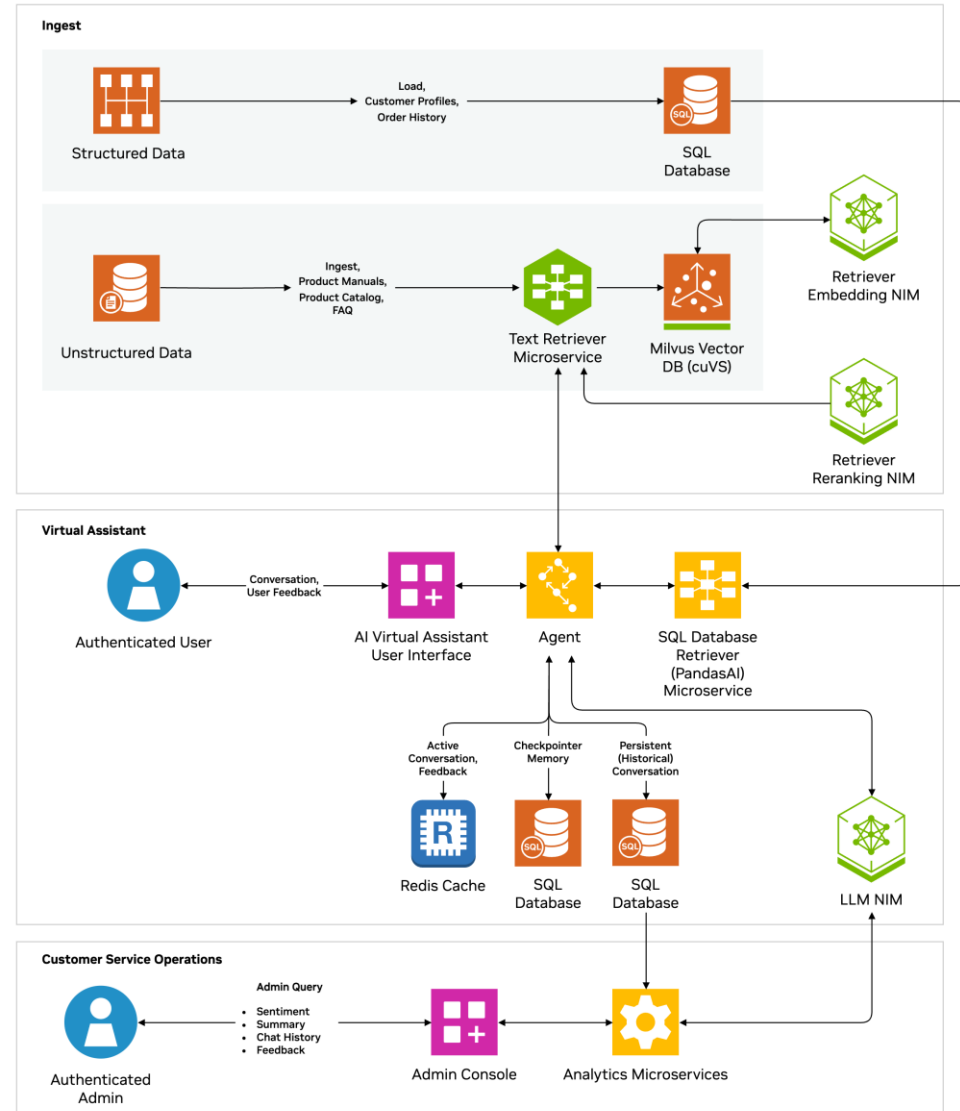


# AI Virtual Assistant for Customer Service

AI Virtual Assistant to reduce handling time, boost customer satisfaction

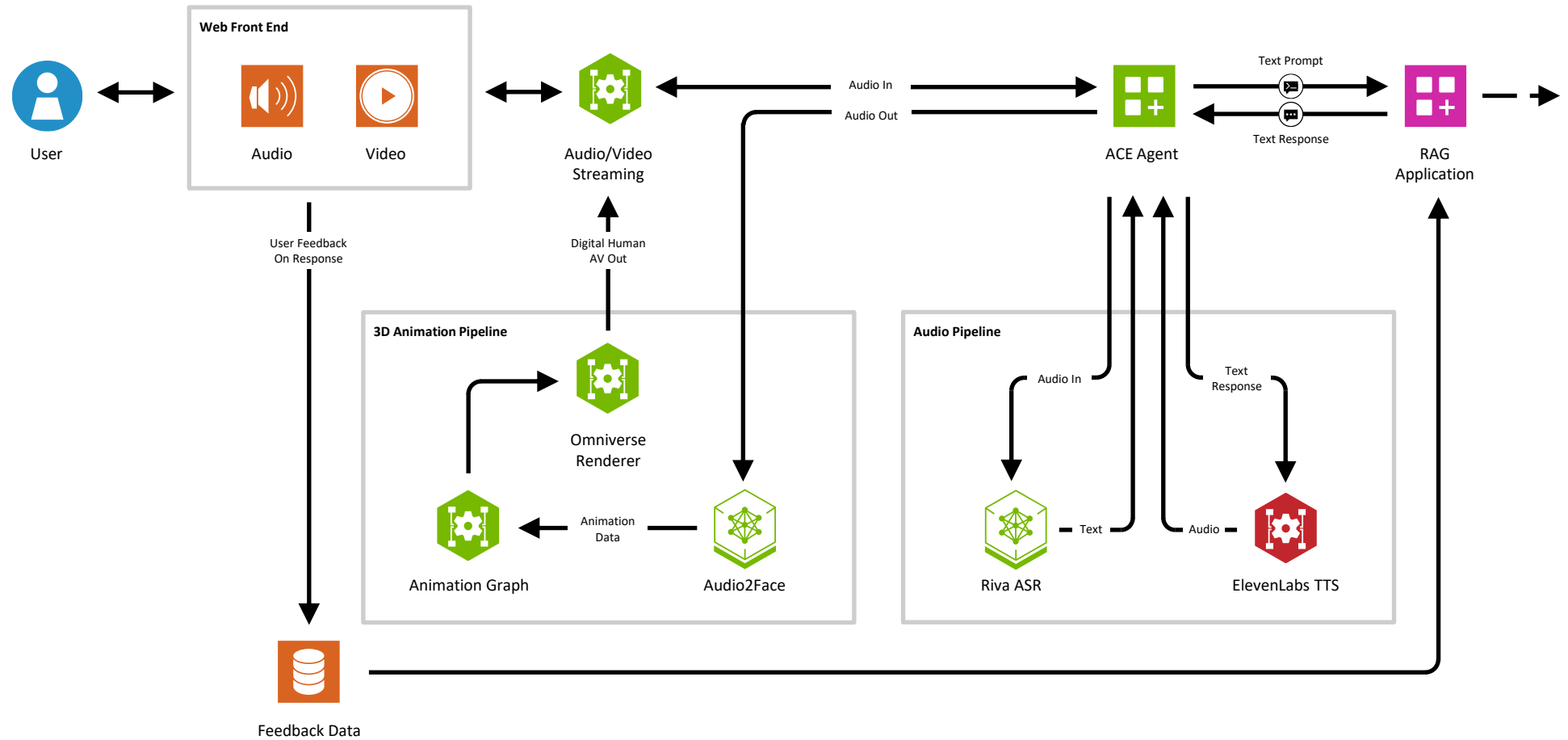
## Benefits

- Personalized Responses: Handles structured and unstructured customer queries (e.g., order details, spending history).
- Multi-Turn Dialogue: Offers context-aware, seamless interactions across multiple questions.
- Custom Conversation Style: Adapts text responses to reflect corporate branding and tone.
- Sentiment Analysis: Analyzes real-time customer interactions to gauge sentiment and adjust responses.
- Multi-Session Support: Allows for multiple user sessions with conversation history and summaries.
- Data Privacy: Integrates with on-premises or cloud-hosted knowledge bases to protect sensitive data.



# Digital Humans for Customer Service

\$125B market for digital human economy by 2035



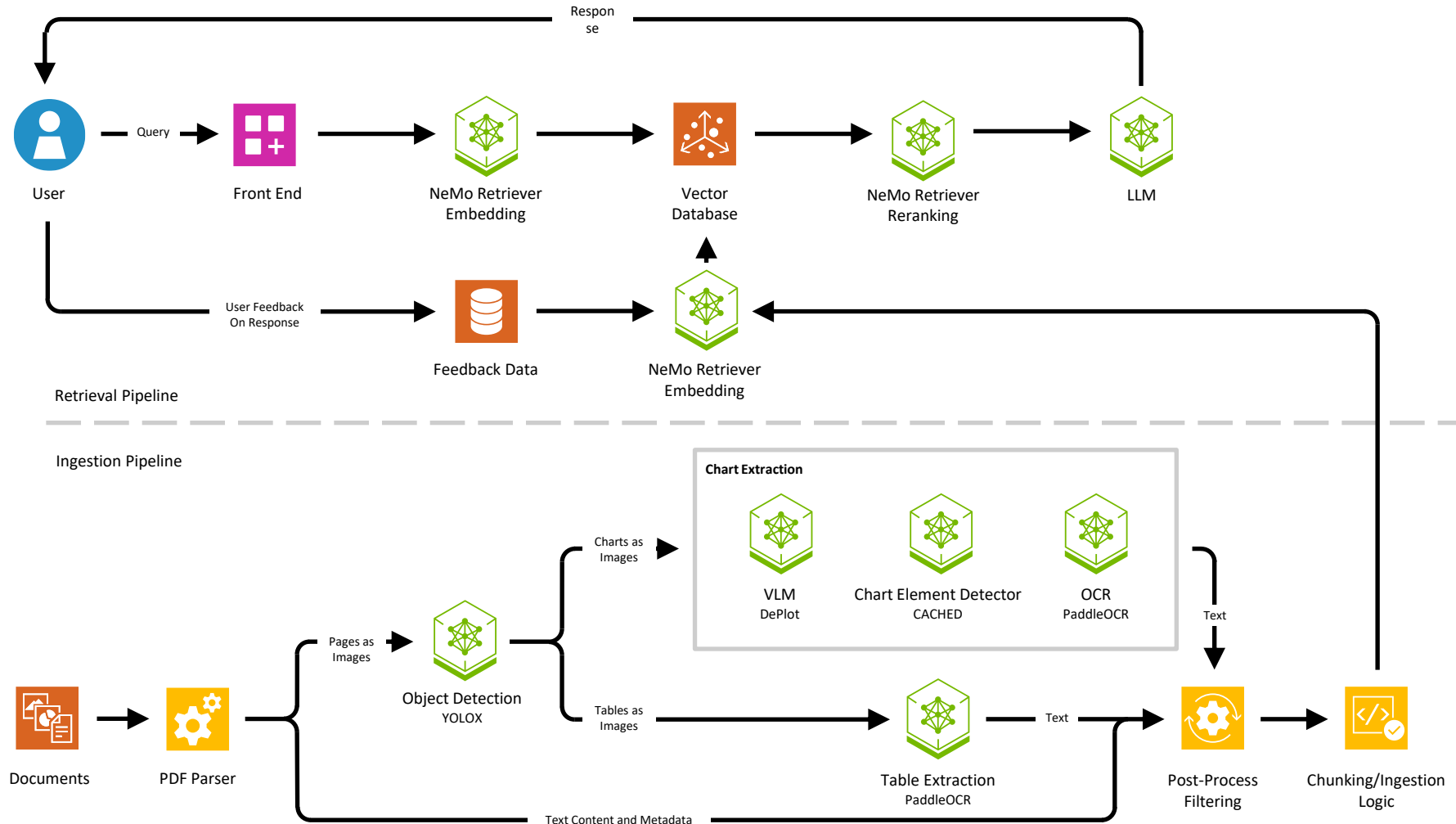
## Benefits

- Increases engagement and satisfaction for user-facing applications
- Creates a lifelike 3D digital human with accurate skin, hair, animation, and speech
- Enables natural conversations with enterprise applications and data



# Multimodal PDF Data Extraction for Enterprise RAG

Unlocks Knowledge from trillions of PDFs



## Benefits

- Unlocks the next level of indexable enterprise data from text to images and charts
- High-accuracy extraction and responses
- Enterprise-scale PDF ingestion