

Franz Inc. Recognized by Gartner as a Key Neuro-Symbolic AI Provider in 2024 Hype Cycle for AI

AllegroGraph Neuro-Symbolic AI Platform Integrates Symbolic AI, Machine Learning, Generative AI, and Vector Storage

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EINPresswire.com/ -- [Franz Inc.](#), an early innovator in Artificial Intelligence (AI) and leading supplier of Graph Database technology for Entity-Event Knowledge Graph Solutions, is proud to announce its recognition as a Neuro-Symbolic AI provider in Gartner's report, Hype Cycle for Artificial Intelligence, 2024. Earlier this year, Franz announced [AllegroGraph 8.0](#), the first Neuro-Symbolic AI

Platform to integrate Knowledge Graphs, Symbolic AI, Machine Learning, and Vector Storage, while guiding Generative AI via Retrieval Augmented Generation (RAG) to supply LLMs with source-of-truth data and prevent hallucinations.

"Neuro-Symbolic AI is important because it addresses limitations in current AI systems, such as incorrect outputs, lack of generalization to a variety of tasks and an inability to explain the steps that led to an output. This leads to more powerful, versatile and interpretable AI solutions and allows AI systems to tackle more complex tasks with humanlike reasoning." Source: [Gartner, Hype Cycle for Artificial Intelligence, 2024](#).

As the first Neuro-Symbolic AI Platform, AllegroGraph combines Machine Learning (statistical AI), knowledge and reasoning (symbolic AI) with LLM and vector storage capabilities. This powerful combination enables AllegroGraph to solve complex problems that require reasoning and learn efficiently with less data, thereby expanding applicability across a broad array of tasks. The blending of machine learning and reasoning in AllegroGraph also produces decisions that are understandable to humans and explainable, an important step in the progression of AI.

"We are proud to see Gartner include Neuro-Symbolic AI on this year's Artificial Intelligence Hype





Neuro-Symbolic AI represents the next evolution of artificial intelligence, where the integration of symbolic reasoning with machine learning delivers unparalleled accuracy and interpretability.”

Dr. Jans Aasman, CEO, Franz Inc.

Cycle,” said Dr. Jans Aasman, CEO, Franz Inc. “Neuro-Symbolic AI represents the next evolution of artificial intelligence, where the integration of symbolic reasoning with machine learning delivers unparalleled accuracy, interpretability, and versatility. This approach advances AI technology and ensures that complex decision-making processes are transparent and reliable, setting new benchmarks for the industry.”

Gartner advises, “Invest in data architecture that can leverage the building blocks for Neuro-Symbolic AI techniques, such as knowledge graphs and agent-based techniques.” Source: Gartner, Hype Cycle for Artificial Intelligence, 2024.

Franz’s Neuro-Symbolic AI platform AllegroGraph offers the following suite of groundbreaking capabilities.

ChatStream – Stateful Bot Technology - ChatStream harnesses the power of natural language processing to query Knowledge Graph data (Graph RAG) within AllegroGraph. This innovative feature transforms data analysis by allowing users to explore data through simple questions without writing graph queries. ChatStream leverages AllegroGraph’s Neuro-symbolic AI capabilities to unlock valuable insights from data, setting a new standard in the ease of accessing and interpreting information.

Retrieval Augmented Generation (RAG) for LLMs - AllegroGraph guides Generative AI content through RAG, feeding LLMs with the ‘source of truth.’ This innovative approach helps avoid ‘hallucinations’ by grounding the output in fact-based knowledge. As a result, organizations can confidently apply these insights to critical decision-making processes, secure in the knowledge that the information is both reliable and trustworthy.

Enterprise Document Deep-insight - VectorStore capabilities within AllegroGraph offer a seamless bridge between enterprise documents and Knowledge Graphs. This unique feature empowers users to access a wealth of knowledge hidden within documents, allowing users to query content that was previously considered ‘dark data.’ Users gain a comprehensive view of enterprise data, contributing to the business’s deeper insights from its proprietary data.

AI Symbolic Rule Generation - AllegroGraph offers built-in rule-based system capabilities tailored for symbolic reasoning. This unique feature distills complex data into actionable, interpretable rules. AI symbolic rule generation enables predictions or classifications based on data and provides transparent explanations for their decisions by expressing them in symbolic rules, enhancing trust and interpretability in AI systems.

Unparalleled Graph-Vector Security – The Triple Attributes mechanism in AllegroGraph puts security ‘in’ the data elements itself. Users can annotate individual triples or text fragments and thus provide the most granular access method of any Graph-Vector platform.

About Franz, Inc.

Franz Inc. stands at the forefront of AI innovation, offering Neuro-Symbolic AI solutions that transform complex data into actionable and comprehensible insights. The company's flagship platform, AllegroGraph, merges the analytical strength of deep learning with the precision of logical reasoning, establishing itself as a critical resource for Enterprises aiming to capitalize on the latest advancements in AI technology. Catering to an array of needs from intricate data integration and cutting-edge analytics to the creation of dynamic Knowledge Graphs, Franz Inc. delivers potent, scalable, and accessible solutions designed to navigate the complexities of today's data-driven environments.

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