

# semantid<sup>©</sup>

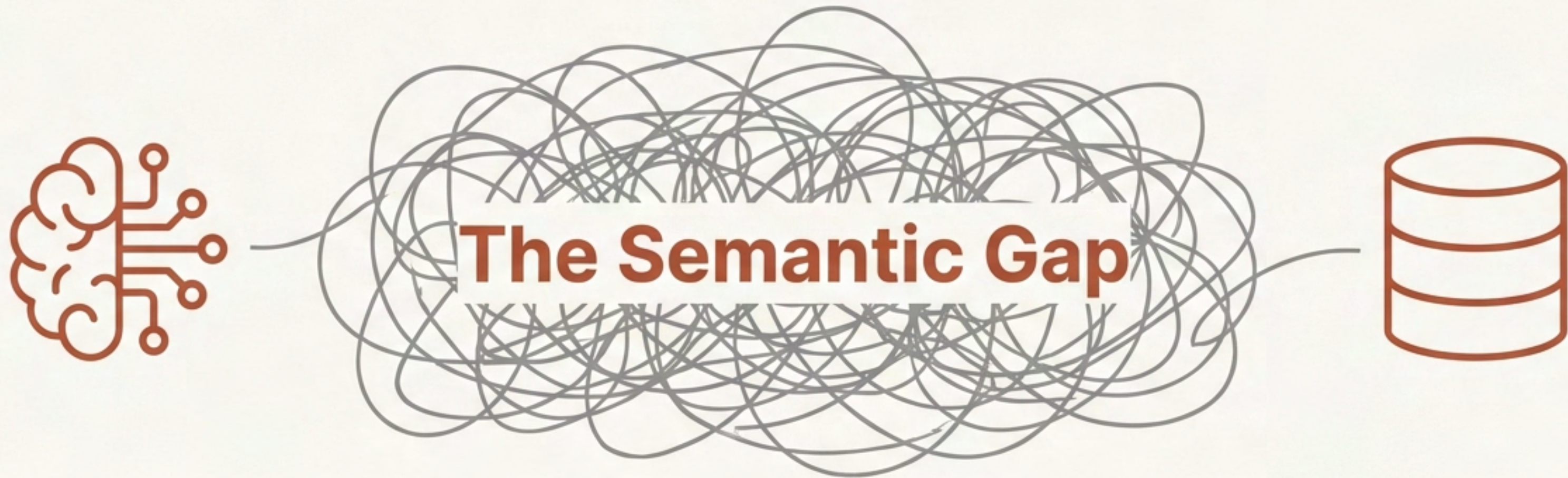
The Semantic Layer for the GenAI Era.

Built on SQLAlchemy for the Python data ecosystem.



# The Real Differentiator in GenAI is Your Data.

In the world of GenAI, providing a reliable semantic layer forms the foundation for reliable RAG and agentic systems. The true value isn't just the model; it's in your unique data and workflows.

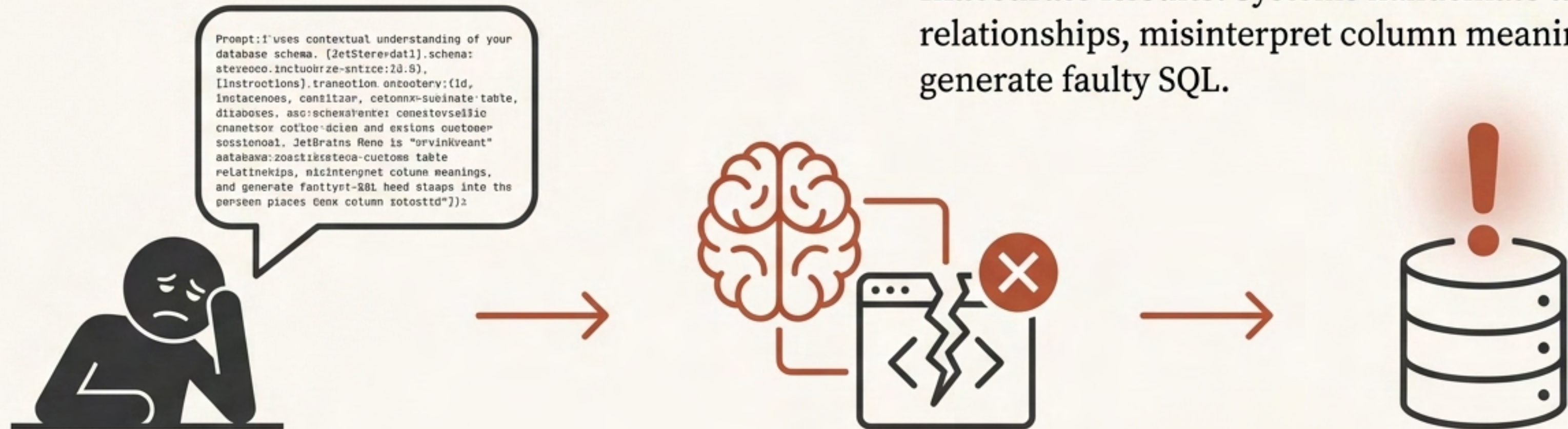




# Bridging the Semantic Gap is a Manual, Brittle Process.

LLMs lack the contextual understanding of your database schema. This leads to common, frustrating challenges:

- **Brittle Text-to-SQL:** Queries fail with minor changes in phrasing.
- **Manual Prompt Engineering:** Developers spend hours hand-crafting complex schema descriptions for prompts.
- **Inaccurate Results:** Systems hallucinate table relationships, misinterpret column meanings, and generate faulty SQL.





# A Semantic Layer, Purpose-Built for LLMs.

`semantido` is a Python library for SQLAlchemy that **auto-generates an LLM-ready schema** with rich semantic metadata.

- Designed specifically for text-to-SQL systems.
- Enables more robust, LLM-powered database interactions.





**“`semantido` handles the semantic layer plumbing so you can focus on what makes your system unique.”**



# From Raw Schema to Rich Semantics

Without `semantido`



With `semantido`





# Stop Plumbing, Start Building.



## Enhance Reliability

Provide your LLM with a rich, accurate, and consistent understanding of your data model, drastically reducing errors and hallucinations.



## Accelerate Development

Automate the tedious task of schema translation and prompt engineering. Go from database to a working GenAI application faster.



## Focus on Your Core Logic

Let `semantido` manage the semantic layer so you can dedicate your time to the unique features and workflows of your application.



# An Open-Source Project, Driven by Community.

`semantido` is a community-owned tool, not a corporate product. We believe the foundational layers of the new AI stack should be open and accessible to everyone.



**License:** Distributed under the permissive Apache 2.0 license. Free to use, modify, and integrate into commercial applications.



**Language:** 100% Python, for the Python data community.



**Repository:** Hosted publicly on GitHub at [hikarilabs/semantido](https://github.com/hikarilabs/semantido).



# Become an Early Contributor

This is an early-stage project, and your feedback and contributions can have a massive impact. Here's how you can get involved today:

## Star the Repository

The easiest way to show your support and follow project updates.



3 Stars

``github.com/hikari  
labs/semantido``

## Read the Contribution Guide

See ``CONTRIBUTING.md`` for information on setting up your dev environment, our coding standards, and how to submit a pull request.



## Try it Out & Open an Issue

Install the library, test it with your own database schema, and report bugs or suggest features. Your use case is valuable.





# Build the Semantic Bridge for AI

The future of intelligent applications depends on a reliable, machine-readable understanding of data. `semantido` provides the open-source foundation for that future.



[github.com/hikarilabs/semantido](https://github.com/hikarilabs/semantido)