

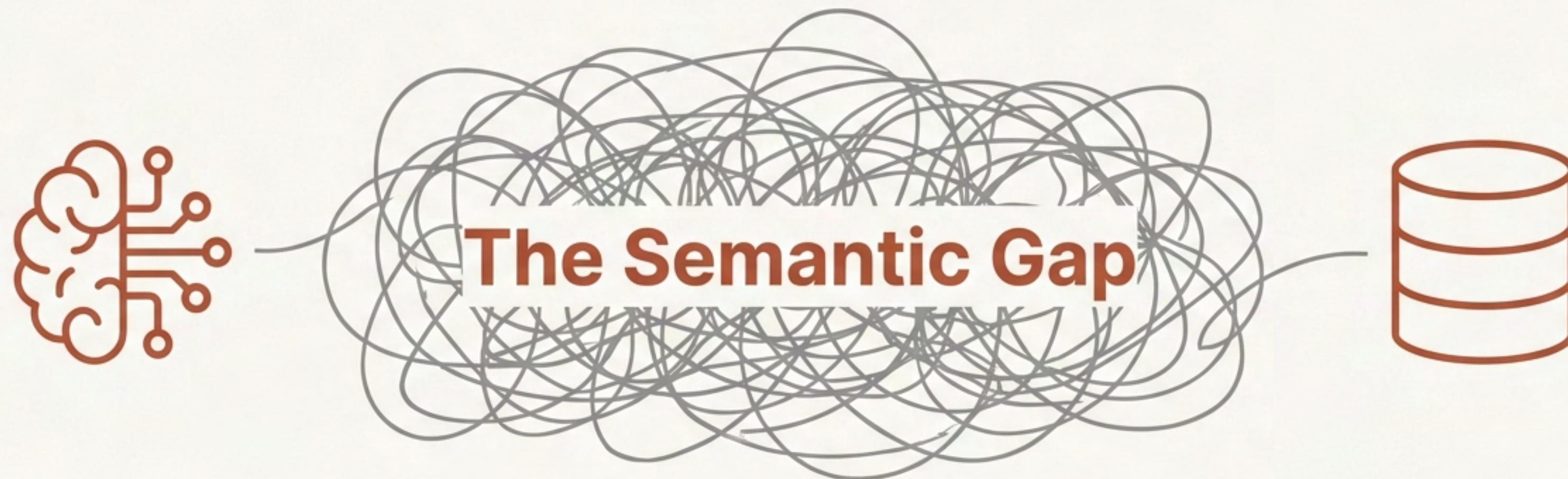
semantid○

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.

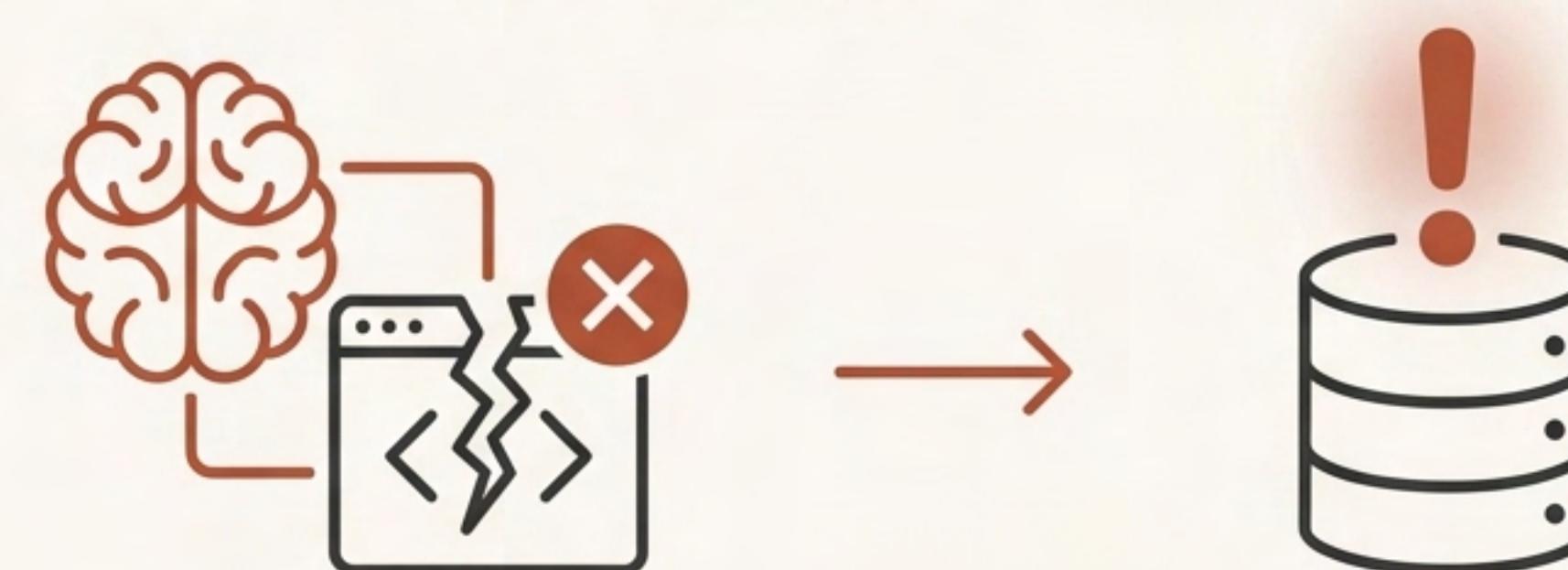


Bridging the Semantic Gap is a Manual, Brittle Process.

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.

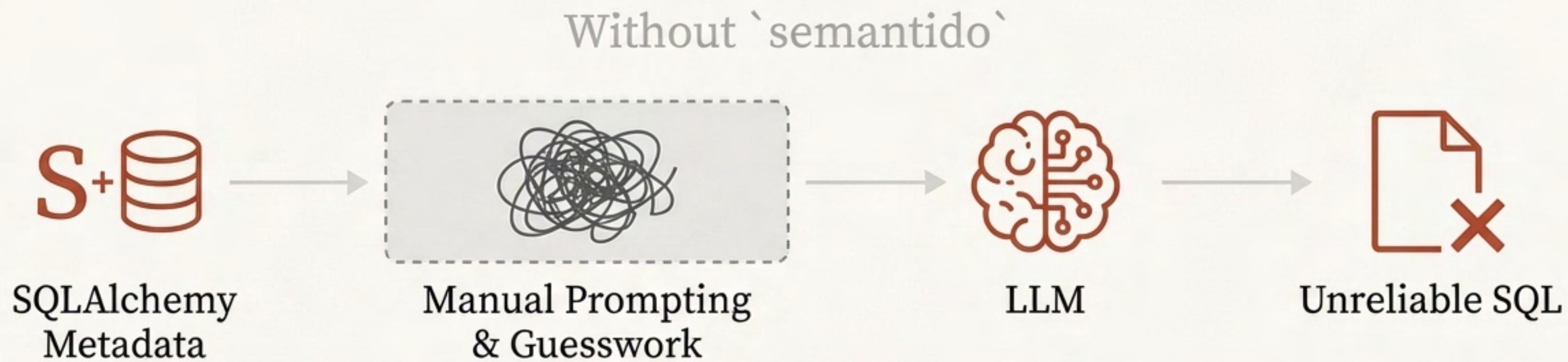
`semantido` is a Python library for SQLAlchemy that **auto-generates an LLM-ready schema** with rich semantic metadata.

- 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

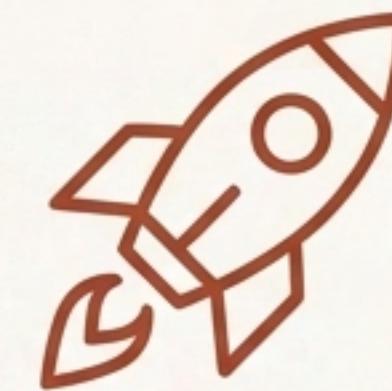


Stop Plumbing, Start Building.



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