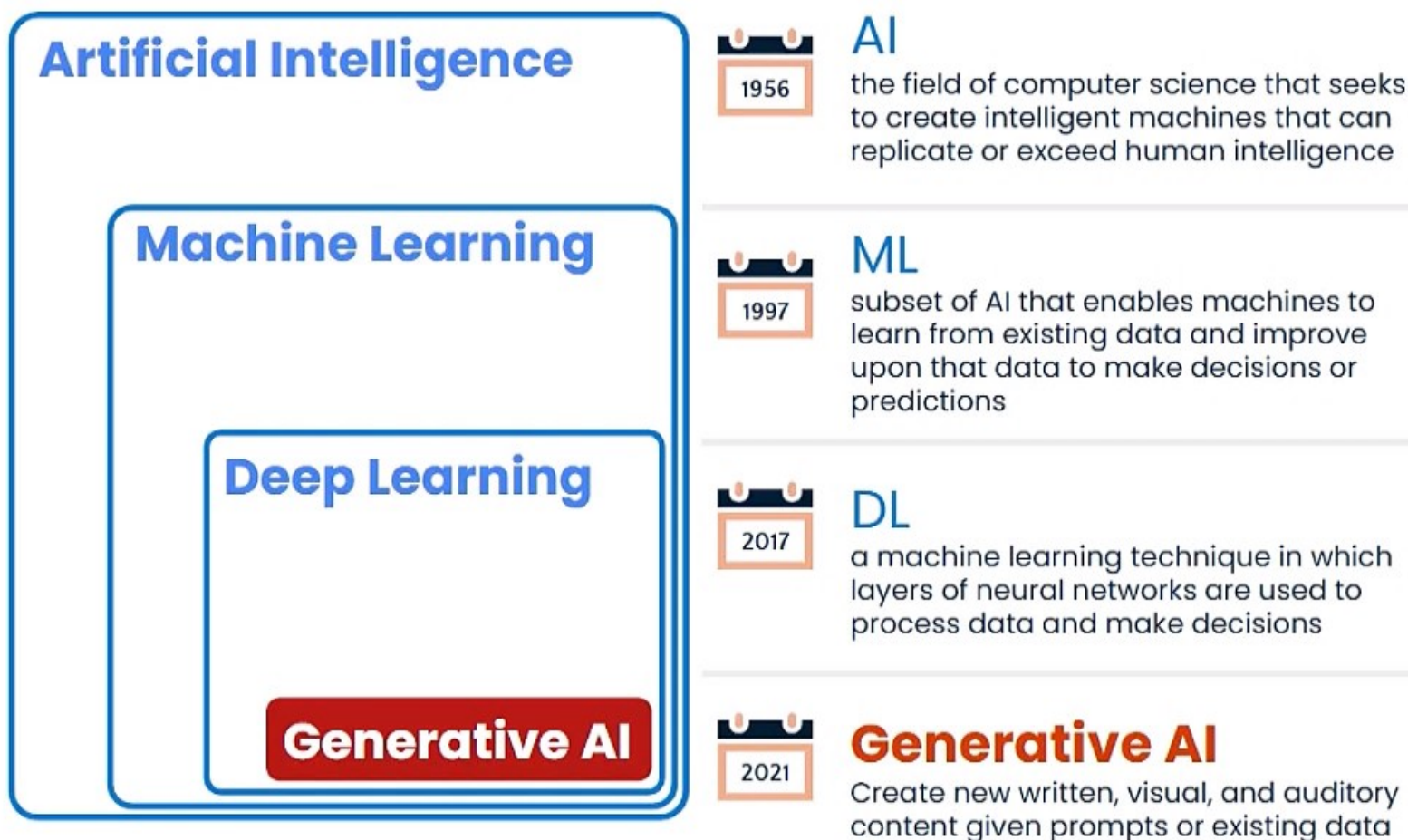


Building Your Own Database Agent

Your First AI Agent



The Road to Generative AI



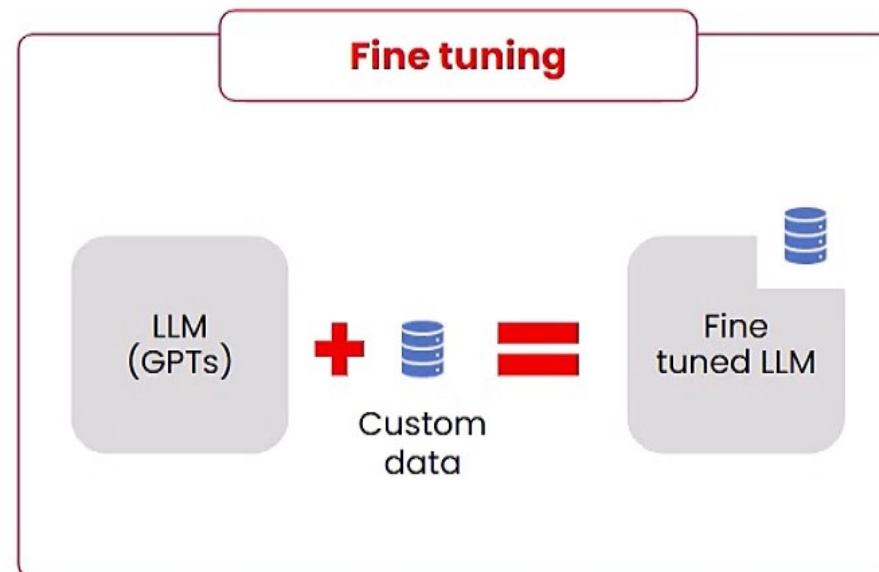
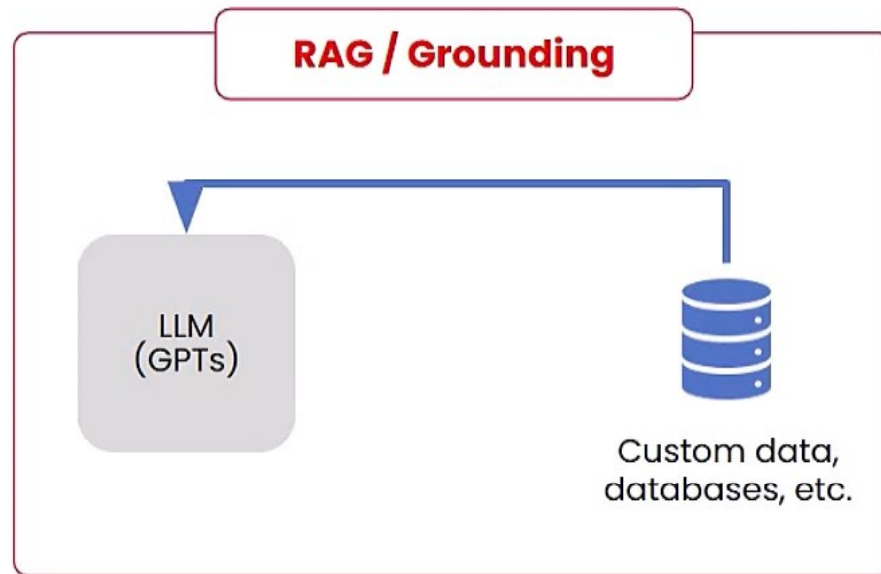
Key Differentiators

Foundation models with multiple skills in one single model

Capacity to ingest and generate **different data formats** (e.g. text, image, video)

Ability to use **natural language** instead of programming code

Ways to “customize” LLMs

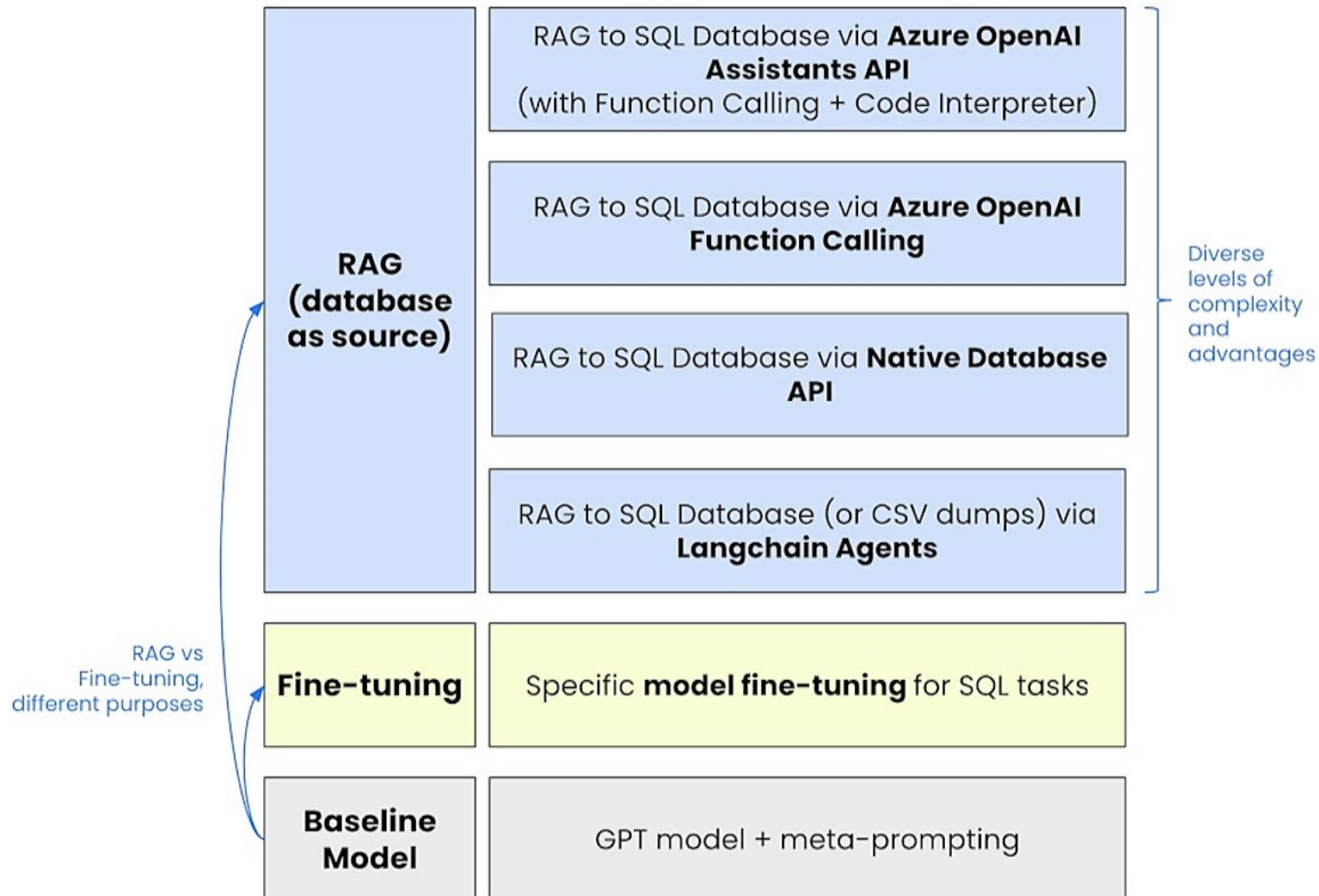


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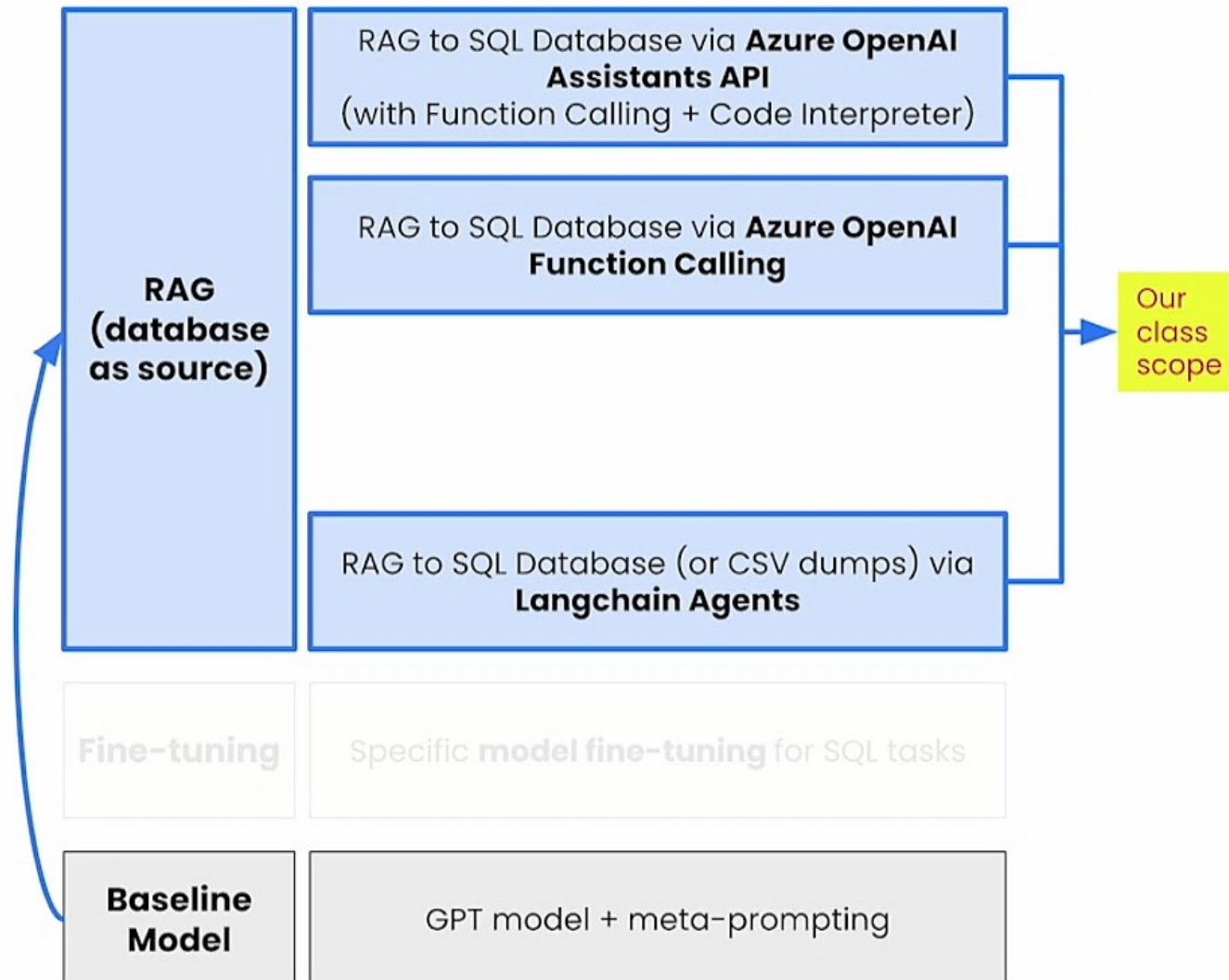
Interacting with a CSV Data



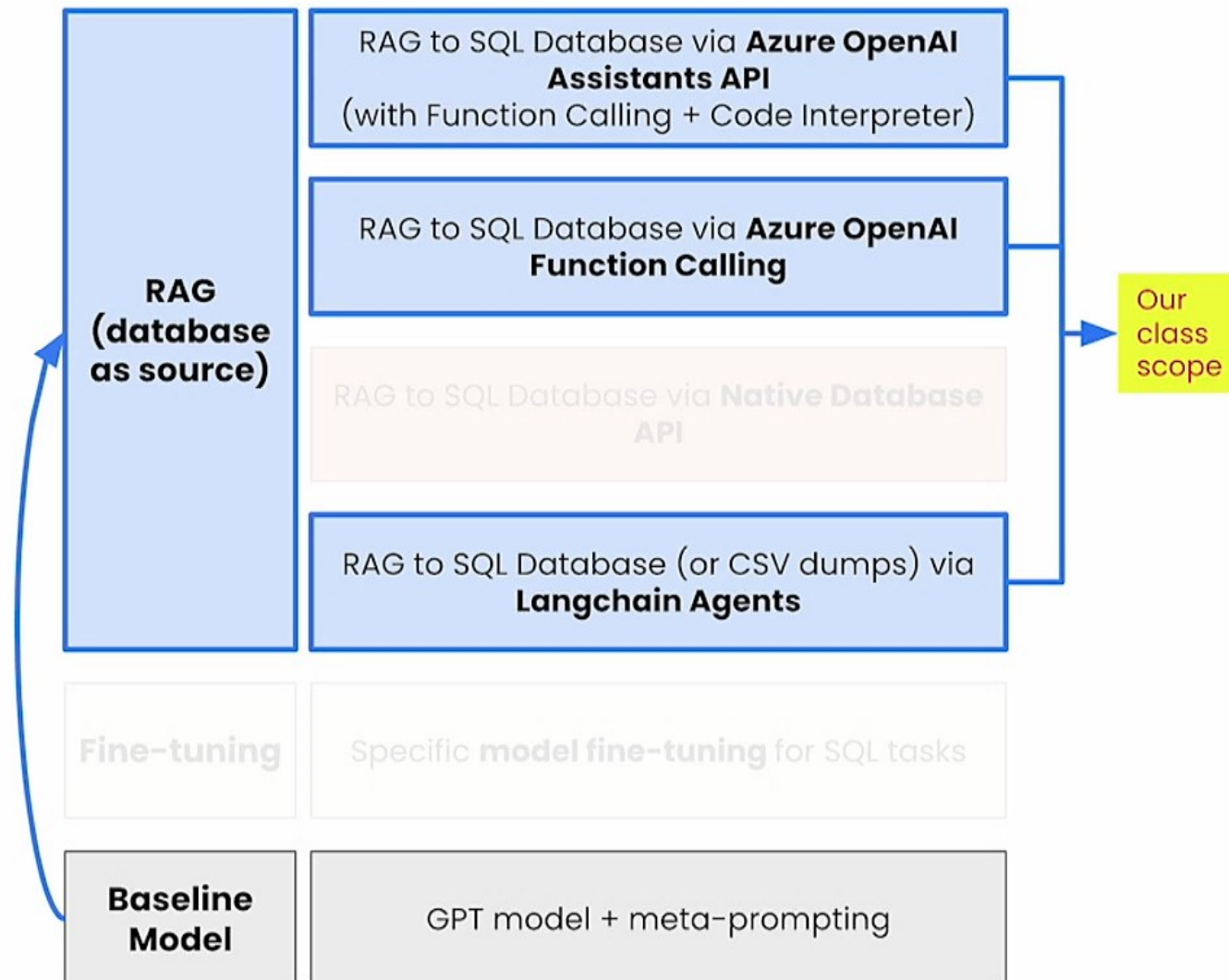
Alternative Options for AI Database Agents



Alternative Options for AI Database Agents



Alternative Options for AI Database Agents

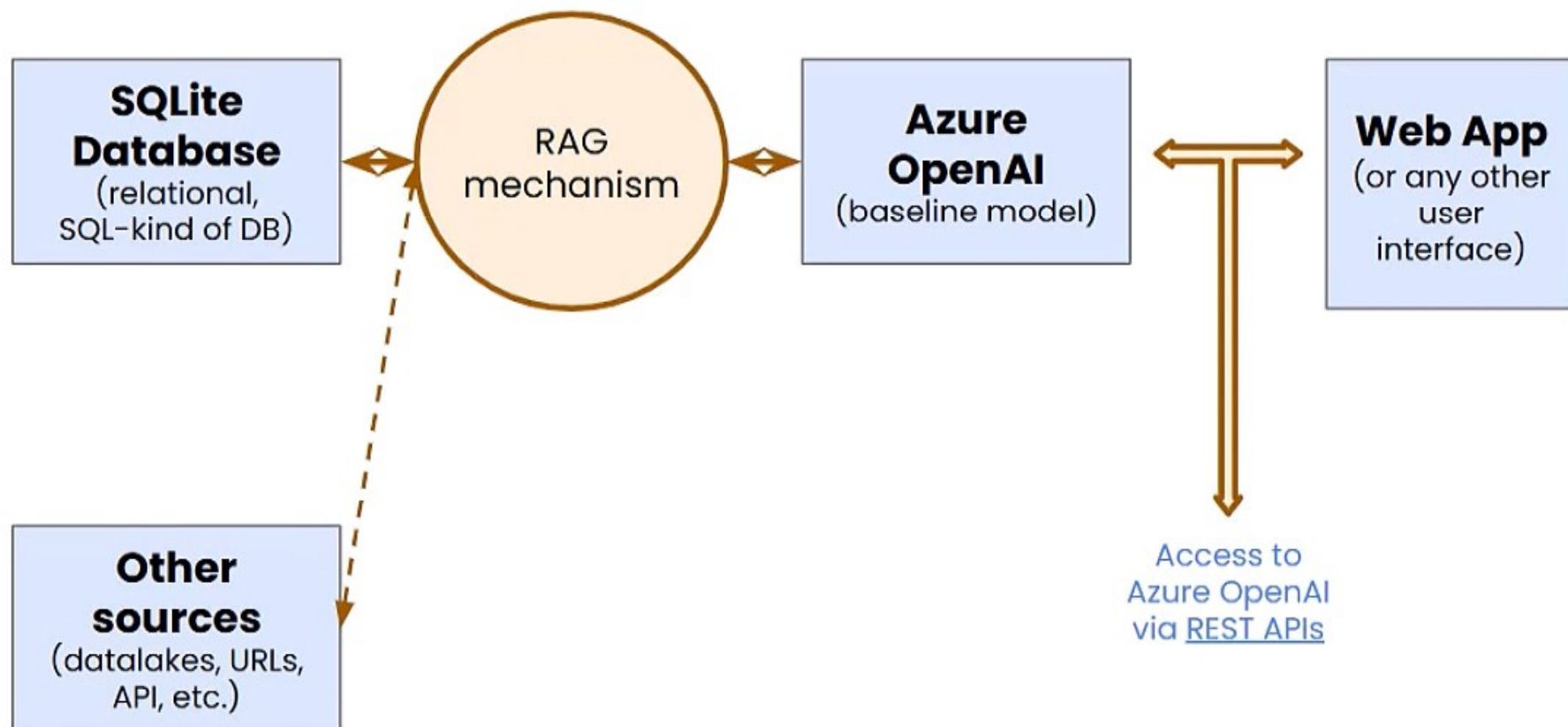


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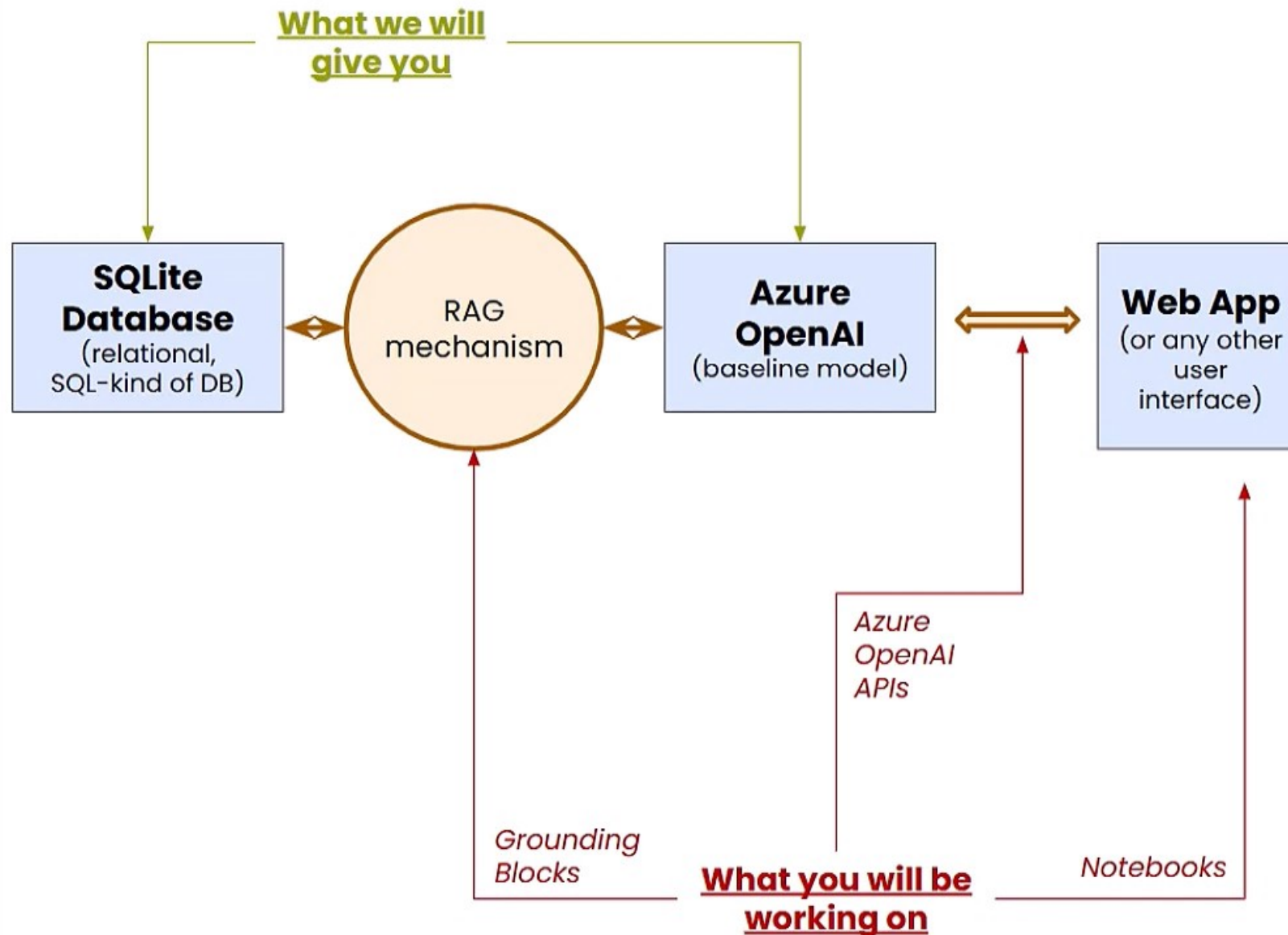
Connecting to a SQL Database



AI Agent with SQL Database



AI Agent with SQL Database



Function Calling

- Provides specific instructions for finding information.
- Prioritizes queries for precise results and desired format.
- Adds control and encapsulates queries for better structure and predictability.

Building Your Own Database Agent

Leveraging Assistants API for SQL Databases



Assistants API

- Maintains conversation context dynamically.
- Stateful, keeping track of interactions, useful for scenarios like e-commerce.
- Supports function calling.

Code Interpreter

- Enables the Assistance API to handle and modify Python code iteratively.
- Useful for complex tasks, adjusting code until it succeeds.
- Functions as an environment within your current environment for autonomous code modification.