



Democratization of Data Insights

The Natural Language Interface for Actionable Insights



Business Pain Points

Complex traditional querying

SQL syntax, complex query structures, and technical knowledge required to access data

Barriers for business users

Difficulty in translating business questions into database queries, leading to limited self-service capabilities

Inefficient data exploration

Time-consuming process of iterating on queries, switching between tools, and waiting for IT support

Delay in data driven decision making

Lack of accessible and user-friendly data interaction hinders the adoption of on-time, data-driven insights

Diverse Databases Connectivity

Complex to connect and query various types of databases (e.g., SQL, NoSQL) to provide users with business insights

Role based Security and Data Privacy

Lack of appropriate measures to protect user data and prevent unauthorized access or data breaches

ChatDB - Natural Language Interface for Enterprise Data

One stop interface to interact with data and generate actionable insights with Natural Language

ChatDB Business Objectives

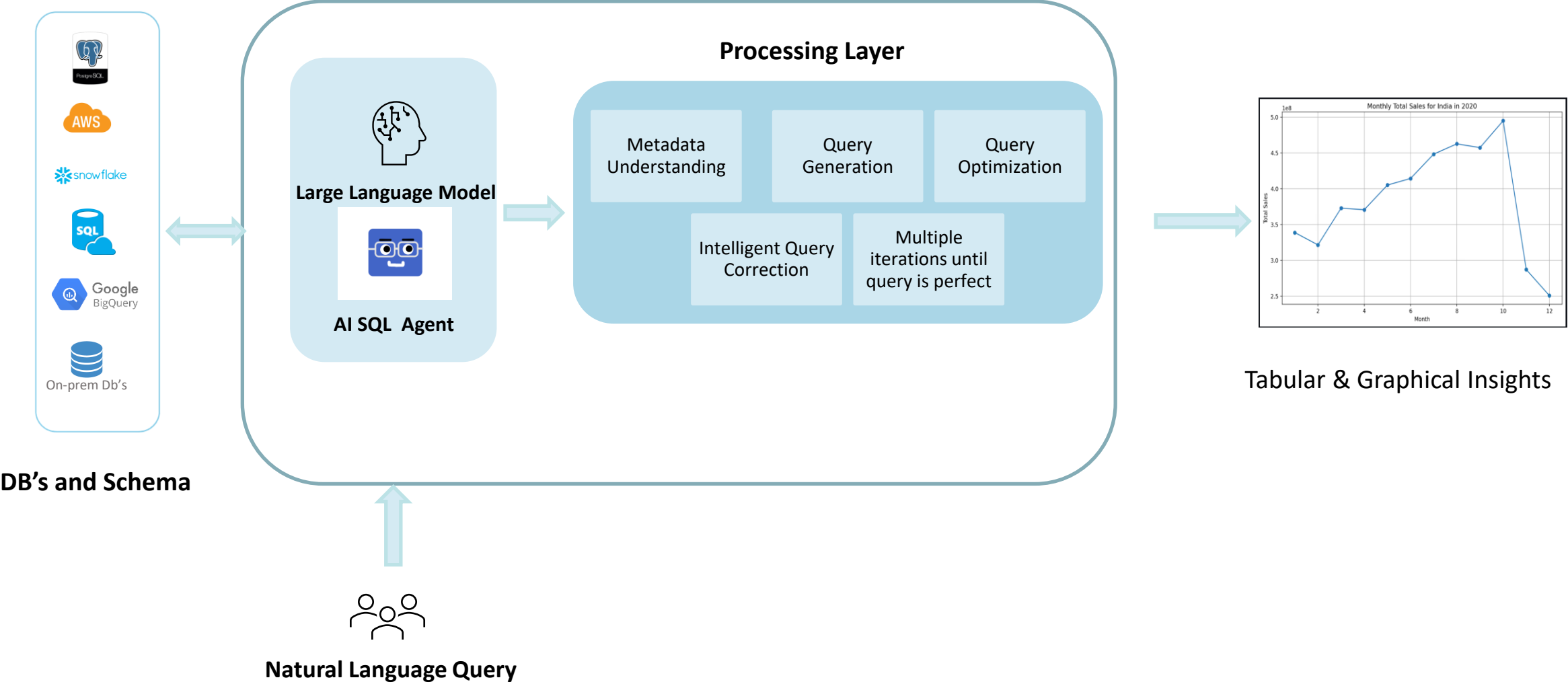
- ✓ Natural language-based database interface
- ✓ Democratize data across organization
- ✓ Bridge gap between business users & their data
- ✓ Faster decisions making with insights on the fly
- ✓ Resolve system complexity to aid business users



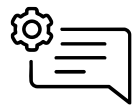
ChatDB Solution Overview

- 01** Business Friendly: A robust, LLM based NLP engine that can understand and interpret user questions, extract relevant entities & intent
- 02** Natural Language Processing: Interface to understand and translate natural language queries into SQL commands
- 03** Seamless Integration: Connects to a wide range of databases and data sources, including relational databases, data warehouses, and cloud-based storage
- 04** Multi-format Delivery: Presents query results in various formats, such as tables, charts, graphs, and visualizations
- 05** Conversational Interface: Allows users to engage in iterative data exploration, refine queries, and ask follow-up questions

Reference Architecture



Solution Features



Natural language-based query: Instant retrieval of data based on user queries.



SQL Query Generation: Automatically generates SQL queries from natural language inputs.



Summarized Insights: Provides summarized insights and analysis from complex data sets.



Next Steps: Offers actionable next steps based on data analysis.



Data Visualization: Visualizes data through interactive graphs and charts.



Role Based Insights: Role based data security and access control



Key Benefits of Using ChatDB



Improved data accessibility for non-technical users: Enables business users, analysts, and decision-makers to directly access and explore data without relying on IT support.



Enhanced data-driven decision-making: Empowers users to quickly generate insights, identify trends, and make informed decisions based on real-time data.



Accelerated ad-hoc data analysis: Allows users to quickly ask questions, refine queries, and explore data interactively, reducing the time and effort required for data exploration.



Empowerment of Business Users: Provides a user-friendly platform for non-technical users to perform advanced data analysis and generate insights.



Reduced burden on IT and data teams: Offloads the responsibility of ad-hoc data requests and queries from IT professionals, allowing them to focus on more strategic initiatives.



Cost-Efficiency: Reduces time and resources spent on complex querying.



Ease of Use: Simple and intuitive interface for all users.



Actionable Insights: Provides insights that drive informed decision-making.

TECH
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