/// Solution Overview

Customer Data NL2SQL Agent: Empowering Business with Al-Driven Data Access

The Data Accessibility Bottleneck

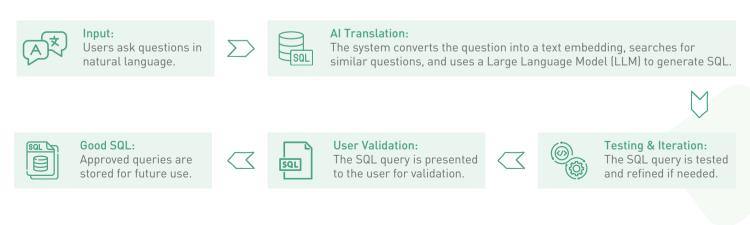
Business teams require complex customer insights to make informed decisions, but they often lack the necessary SQL expertise to access this data directly. Customer data is often highly intricate and difficult to manage, involving numerous touchpoints and interactions across different systems. This creates a bottleneck, as data teams are overloaded with report requests and spend a lot of time on manual SQL query writing. This process can take anywhere from 2 to 20 hours, slowing down the process of getting insights. The lack of direct access to data leads to missed opportunities and delays in decision-making. Many questions revolve around identifying specific groups of customers and analyzing their interactions and journeys over a wider lifecycle phase or phases, which further complicates the data analysis process.



The Solution:

Our Customer Data NL2SQL agent is designed to bridge the gap between business questions and data insights. It empowers business users with a conversational approach to data analysis, using AI to translate natural language questions into SQL queries. It is designed to be fully transparent by allowing SQL analysts to review and approve queries.

How It Works:

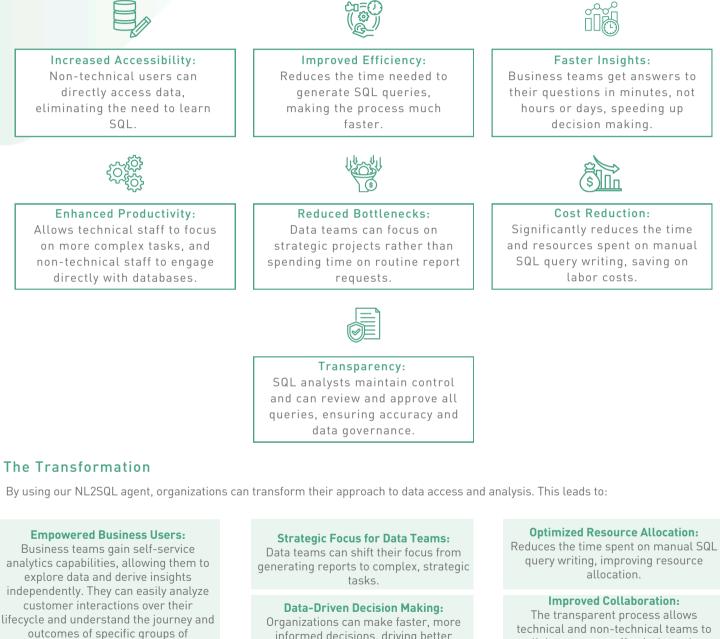


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The system's key components include a vector database that stores table schemas and validated SQL gueries, an LLM that generates the SQL, and a feedback loop that enables continuous improvement.

Key Benefits:



customers.

informed decisions, driving better business outcomes.

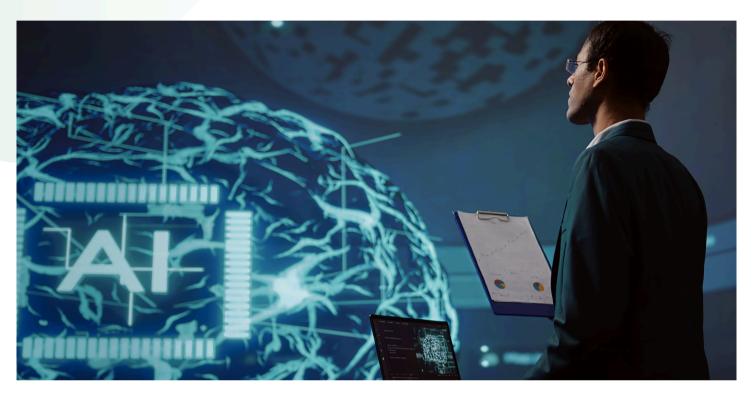
technical and non-technical teams to collaborate more effectively on data analysis and insights.



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Conclusion

Our Customer Data NL2SQL Agent is a powerful tool that transforms how organizations interact with their data. It empowers business teams with direct access to data, and frees up data teams to focus on more strategic projects. The process is designed to be accurate, iterative, and user-friendly. With our NL2SQL agent, your organization can unlock the power of its data and gain a competitive advantage.



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