Spark an AI Conversation – With Your Business Data

Generative AI can connect to your enterprise data and deliver chat and virtual assistant experiences

Conversational AI for business

With the increasing role of AI services like ChatGPT, more businesses than ever are looking to tap into conversational AI, or large language models (LLMs) as a solution for both consumers and the organization. At the same time, stories of data breaches and failed AI experiments trigger concerns around accuracy and security.

Luckily, there are patterns of approach that alleviate these concerns, allowing you to harness the power of generative AI with confidence. Companies across industries can unlock the insights hidden within their enterprise data using a natural language and a chat experience to solve numerous use cases, increasing operational efficiency, productivity, and effectiveness.

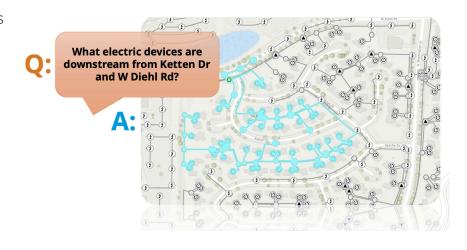## Powerful AI starts with the right questions

Getting insights from your data goes beyond a simple chat bot. It starts with the right architecture and setting standards for question formats, or prompts. Intelligent engineering ensures accuracy, auditability, and usefulness in LLM responses. It involves asking the right questions upfront, planning for future, more complex questions, and validating responses along the way. Strategic integrations bring data from multiple systems together. A well-designed AI architecture makes it easy to build the right prompts and the right structure for responses, including where to find the data.

Benefits with RAG Pattern AI

- Leverage commercial investment in LLM development
- Securely control data within the enterprise environment
- Extend upon your initial investment through prompt engineering
- Acquire data and access domain-specific insight
- Update solution with new LLMs and data

Your AI partner

Locana, a TRC Company, has decades of experience collaborating with clients to manage and structure enterprise data the right way. Locana has patterns to enable enterprise LLM requirements based on security needs. Its retrieval-augmented generation (RAG) supplies a superior method to blend public domain data with custom knowledge without exposing your enterprise data. You get the accuracy of relevant data without the risk. In addition, Locana provides can develop a small, LLM trained on your data and fully resident in your private cloud. This allows your organization to leverage their accumulated knowledge in a way that can benefit clients and employees internally.

Security is by design. The RAG pattern maintains separation between LLM functionality (which can be hosted in a private cloud) and your corporate data. The power of generative AI is leveraged without exposing your proprietary and sensitive data.

Consumption-based model or "pay as you go" is enabled by cloud-native architectures. Cloud providers are offering access to LLMs within virtual private clouds (VPCs), which supplies flexibility and cost-savings.

Adaptability to expanding scope in terms of data and domains of inquiry allows for a custom solution. The architecture pattern our conversational AI solution facilitates back-end data integration and front-end interrogation through prompt engineering and componentized UI.

Accessibility gives clients the ability to have answers to questions critical to the business whenever they need it. Beyond this power and efficiency is the significant reduction in skill and effort required to retrieve and analyze.

Your generative AI awaits

The advent of generative AI and interfaces like ChatGPT removes barriers from getting value from AI have been dramatically lowered. Using modern architectural patterns, AI can be harnessed for your enterprise to derive insight from data by simply asking the questions you wanted answered.

Things to Remember

1. Readiness for AI adoption requires well formed, accessible data
2. Integrations provide seamless information access
3. Architectures and standards enable question formats, or prompts
4. Advantages from using generative AI can be immediate and profound
5. Generative AI delivers near-term ROI and long-term market advantage