



Intelligent Data Access via Agentic AI: Shuffle Labs’ Leap Forward

Shuffle Labs is a high-growth SaaS platform serving CRM and EdTech industries, empowering sales teams and academic operations with tools to manage customer relationships, student engagement, and performance analytics. Trusted by enterprises across HiTech sectors, Shuffle Labs’ value lies in its ability to deliver actionable insights, especially when their clients can access them quickly and easily.

Challenges

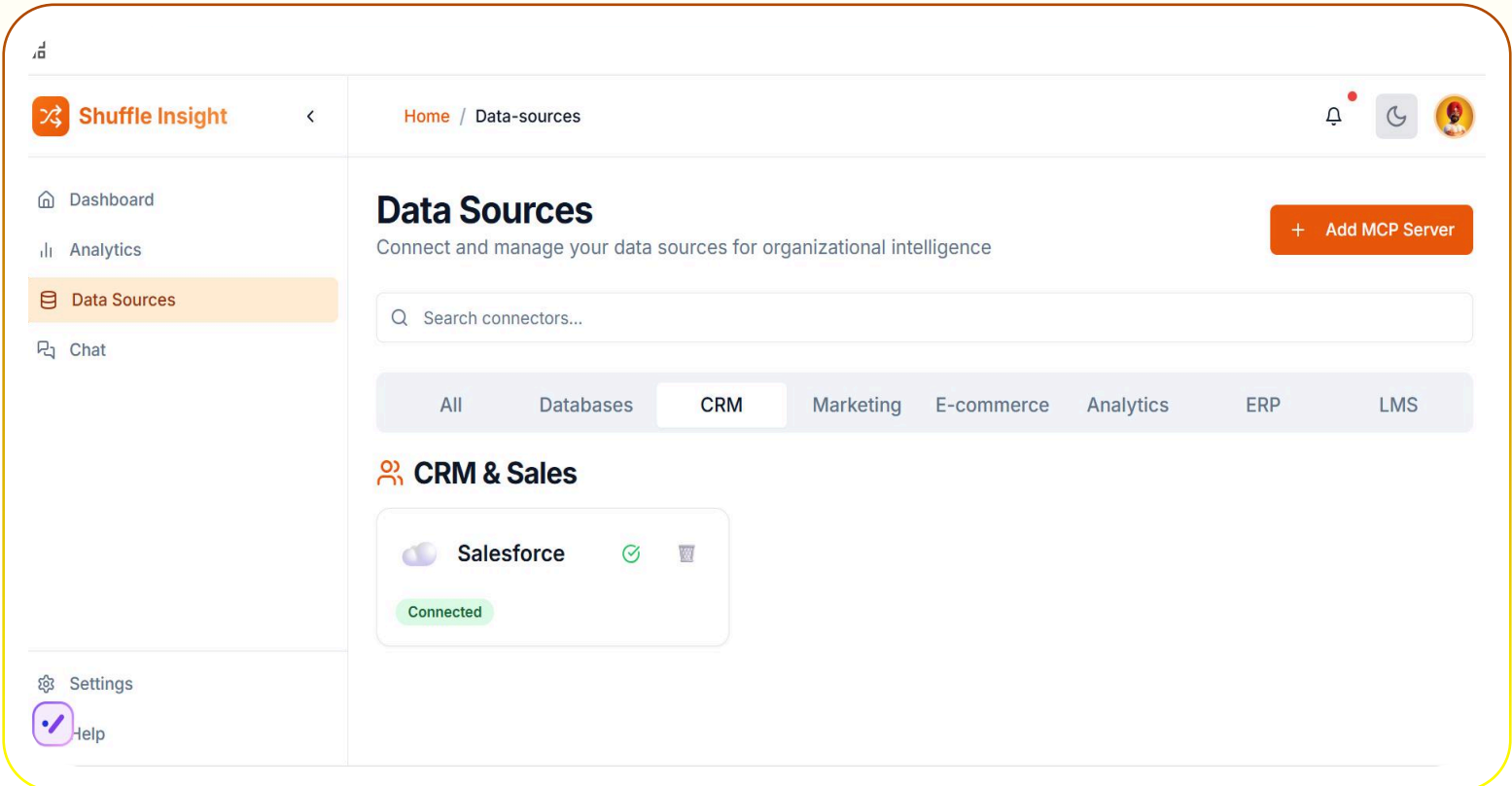
Shuffle Labs’ clients, spanning sales organizations and academic institutions, were struggling to access critical insights buried across multiple platforms such as Salesforce and Brightspace. With no built-in mechanisms in these platforms for consolidated dashboards or natural language querying, teams relied on:

- **Logging into multiple systems separately**
- **Manual report generation**
- **Developer support to write queries or pull data**

This fragmented process slowed decision-making, created operational inefficiencies, and made it difficult to maintain a clear, real-time view of sales pipelines or student engagement metrics.

Solution

Invimatic partnered with Shuffle Labs to design and deliver Shuffle AI Analytics, a chat-based Agentic AI solution that consolidates data access for their clients into one seamless interface. The platform connects directly with Salesforce, Brightspace, and other third-party systems to deliver natural language responses and customized visual dashboards, features not natively available in those tools.



Our approach included

- **Integrating LLM agents with Salesforce and Brightspace for real-time data access**
- **Developing a Next.js-based dashboard with intuitive chat and dynamic visualizations tailored to client needs**
- **Building a custom MCP Server to enable seamless communication between the LLM and enterprise data systems**
- **Implementing Langsmith for prompt tracing, optimization, and reproducibility**
- **Applying token optimization techniques to reduce latency and cost**

The result was a single, intelligent interface that eliminated platform-hopping, streamlined reporting, and allowed clients to get answers in plain English, without relying on developer support.

Results

- **Reduced Report Access Time:** From 10–20 minutes to ~10 seconds
- **Lowered Developer Dependency:** From high to near-zero
- **Faster Insights & Fewer Support Requests:** 87% faster insights and 60% fewer developer support requests
- **Increased Platform Adoption:** Among GTM and Academic Ops users
- **Enabled Real-Time Decision-Making:** For sales and student engagement across client organizations

Technology Stack



Key Takeaway

Agentic AI removes operational bottlenecks by providing instant, self-serve insights from multiple systems, eliminating the delays and dependencies that slow teams down. With natural language queries, enterprise data becomes easily accessible to both technical and non-technical users, fostering a more inclusive and agile decision-making environment. By leveraging intelligent, autonomous agents, fragmented data ecosystems are transformed into cohesive, action-ready environments where insights flow seamlessly and decisions happen in real time.