

Hello.....

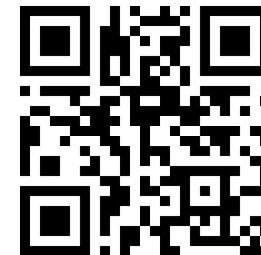


Data Enthusiast with 16+ years of experience in the data domain

3x Snowflake Certified & member of the Snowflake Squad

Active Contributor in the Snowflake Community

Currently working as **Associate Director – Technical Pre-Sales** at Kipi.ai (a WNS Company)



**Snowflake
Agentic
AI**





Structuring Intelligence

How To Build Agentic Application On Snowflake

Rahul Sahay | 08 2025

How an AI Agent Works



Sensing: Agents define the task or problem to be solved

Reasoning: Agents use LLM to interpret data, derive context, and decide

Planning: Use reasoning agents' insights to create actionable objective plans.

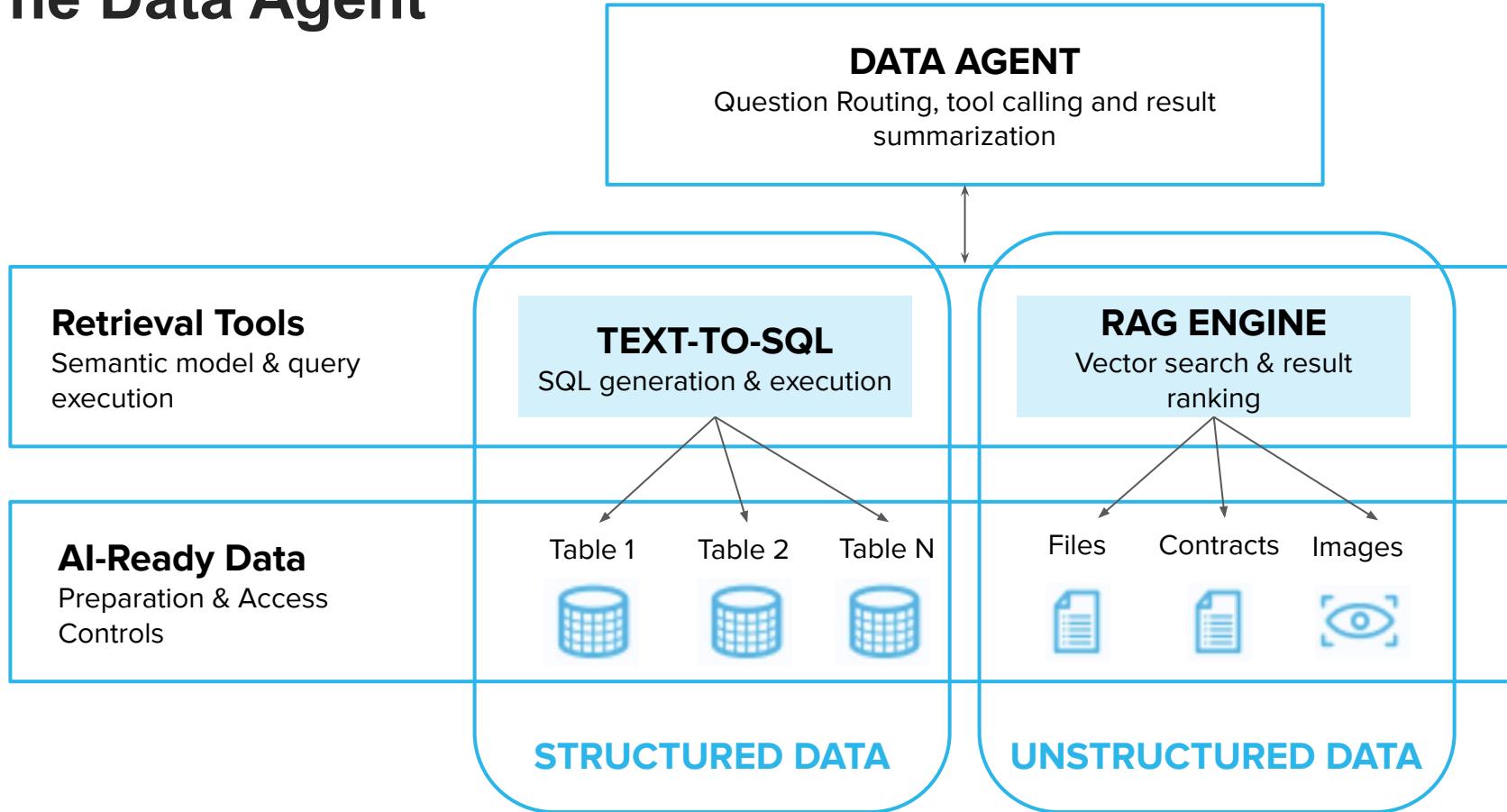
Coordination: Agents share plans with systems / users to stay aligned together.

Acting: Agents implement the plan and execute the necessary actions

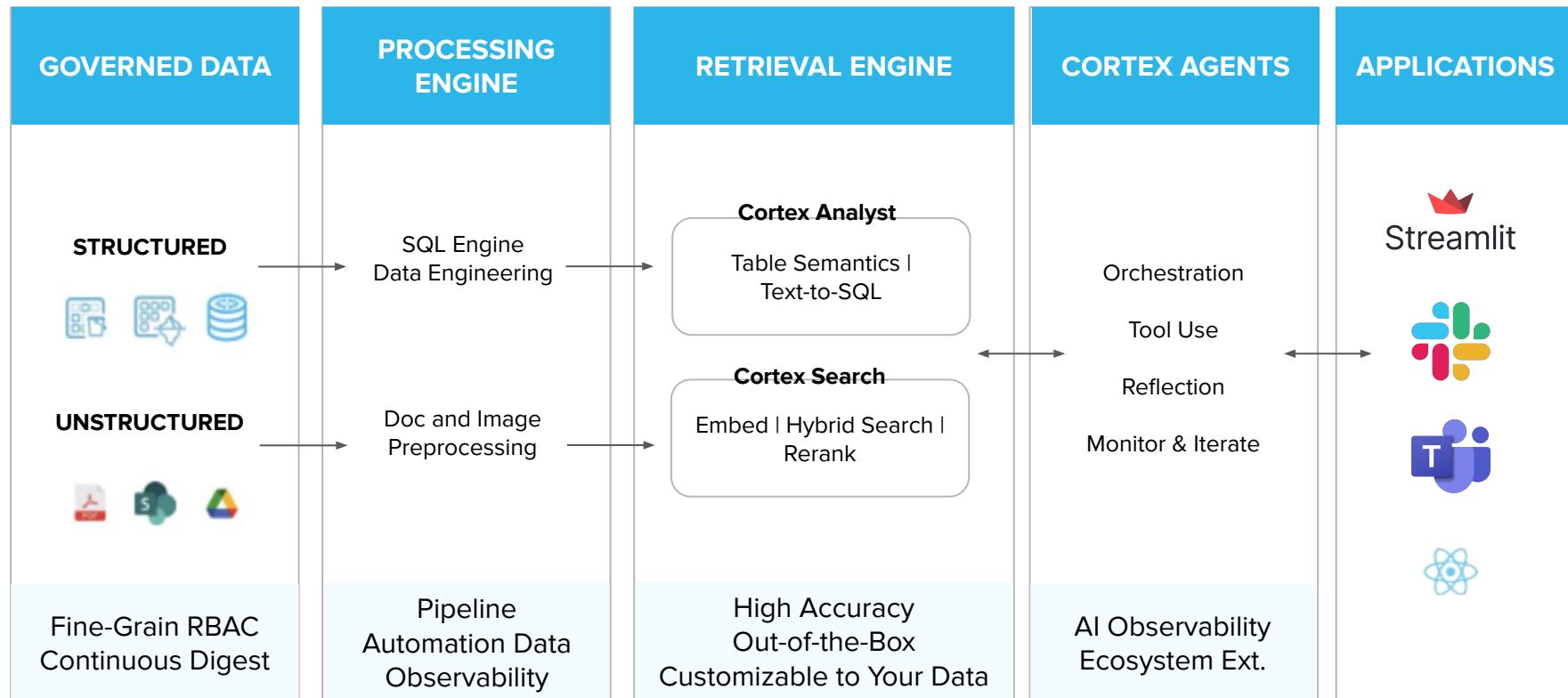
Learning: Agents review outcomes, take feedback, measure success, and improve future processes.



The Data Agent



Snowflake for Agentic AI



ANTHROPIC

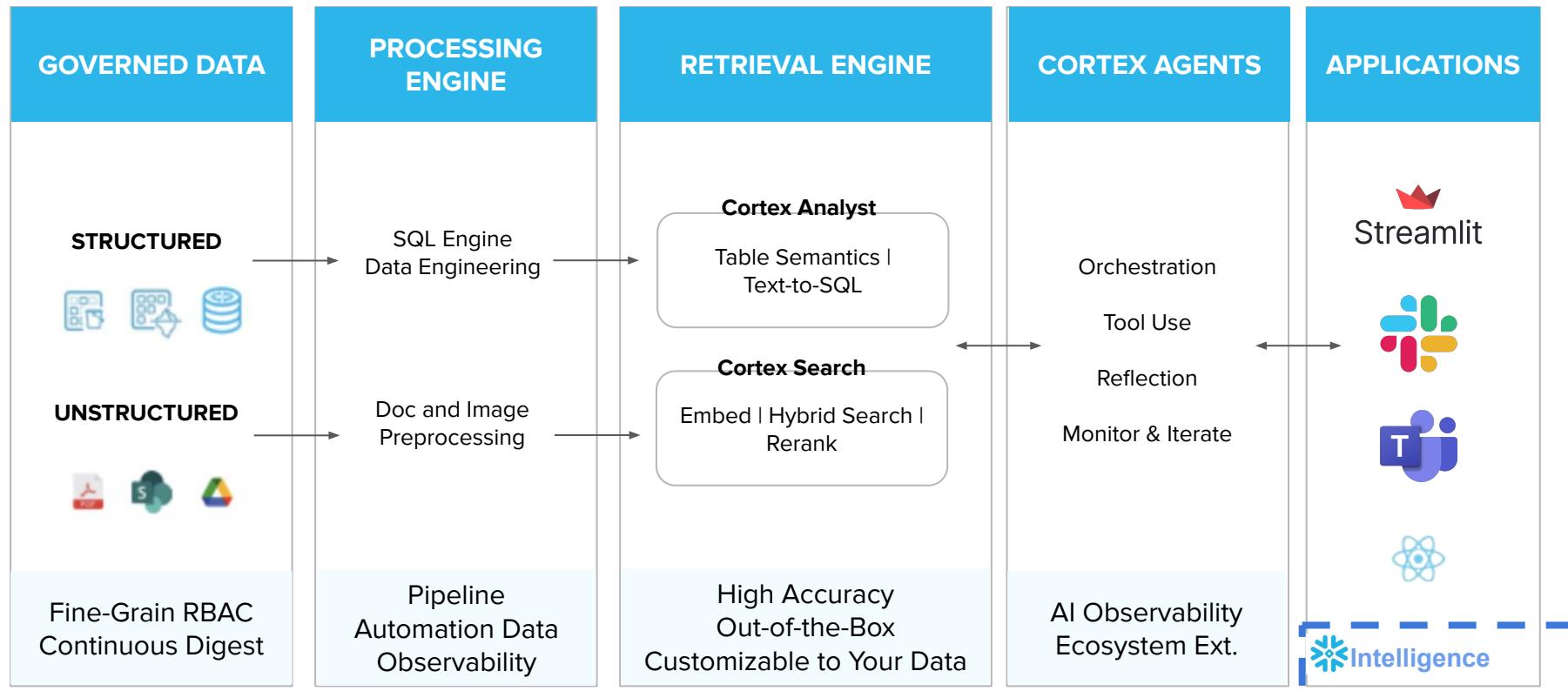
Meta

OpenAI

VOYAGE AI

snowflake

Snowflake for Agentic AI



ANTHROPIC

Meta

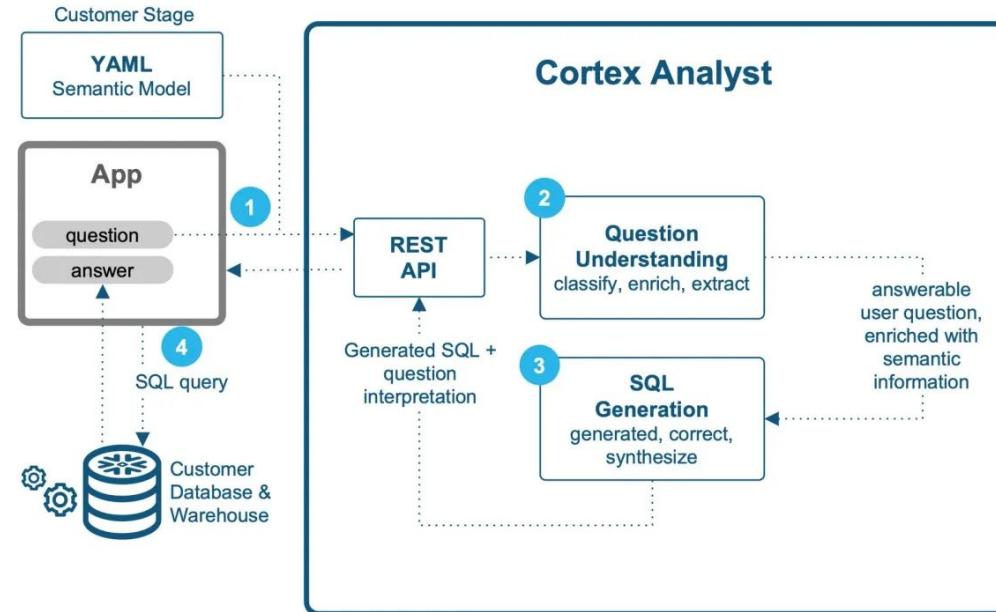
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snowflake

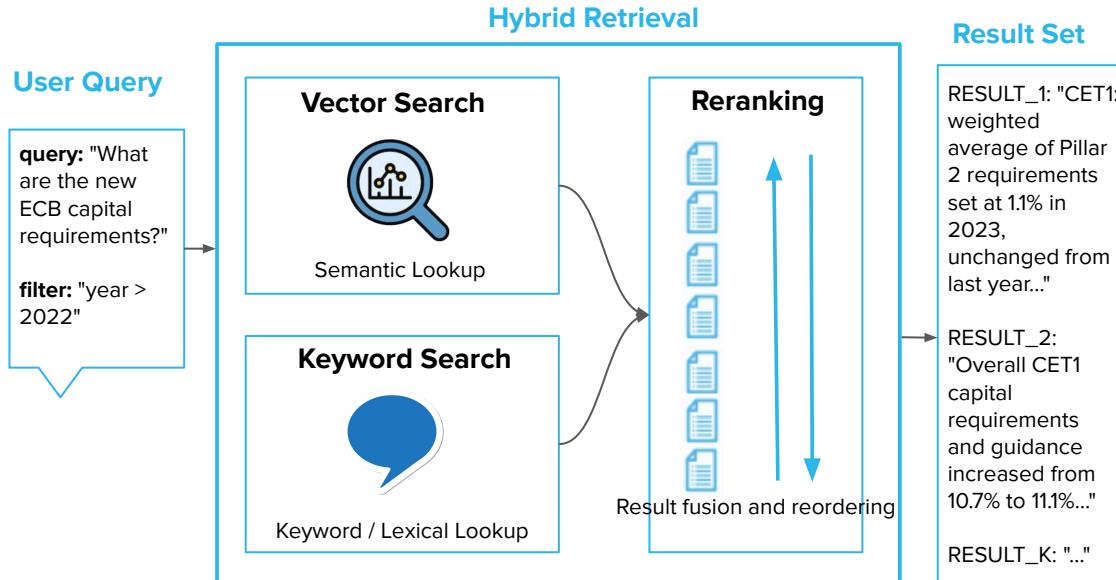
Cortex Analyst

- Generates highly accurate **text-to-SQL** responses
- Self-serve analytics via **natural language** queries
- REST API integration
- Powered by **Meta Llama** and **Mistral** models
- **Semantic** model



Cortex Search

- Ensemble of **retrieval** and **ranking** models
- Search query utilizes:
 - **Vector** search
 - **Keyword** search
 - **Semantic** reranking
- For optimal results
512 tokens ~ 385 words



Use-Case : Retail Product Intelligence

Problem:

Product managers and sales teams struggle with scattered information:

- Which products have the highest profit margins by region?
- What technical specifications and warranty coverage do our best-selling items offer?
- How do visual product features correlate with sales performance?
- Which customer segments prefer specific product categories, and why?
- What maintenance requirements are driving customer satisfaction scores?

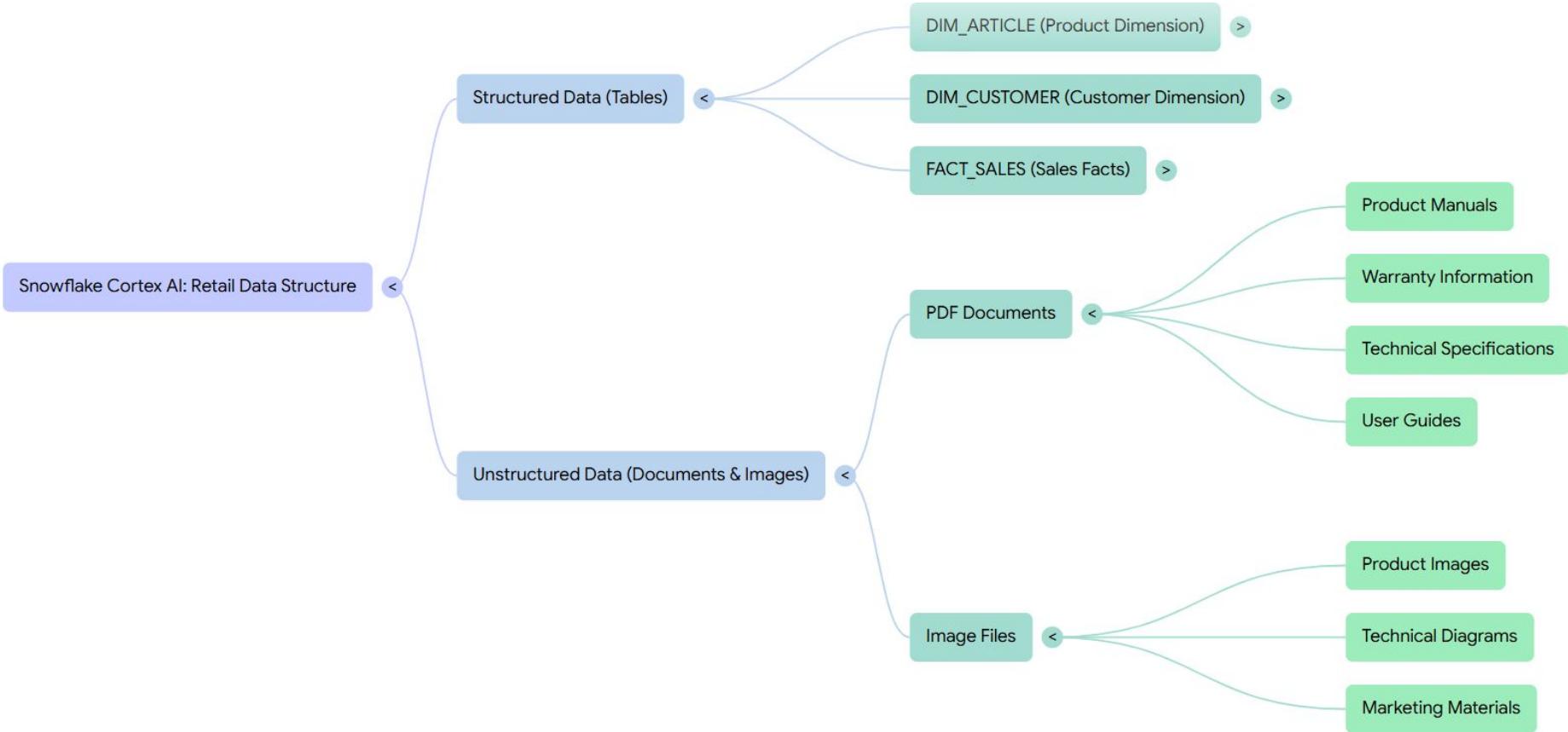
Solution

Intelligent solution using Snowflake Cortex AI to empower product teams, sales reps etc with a smart, interactive assistant. It seamlessly answers complex questions like:

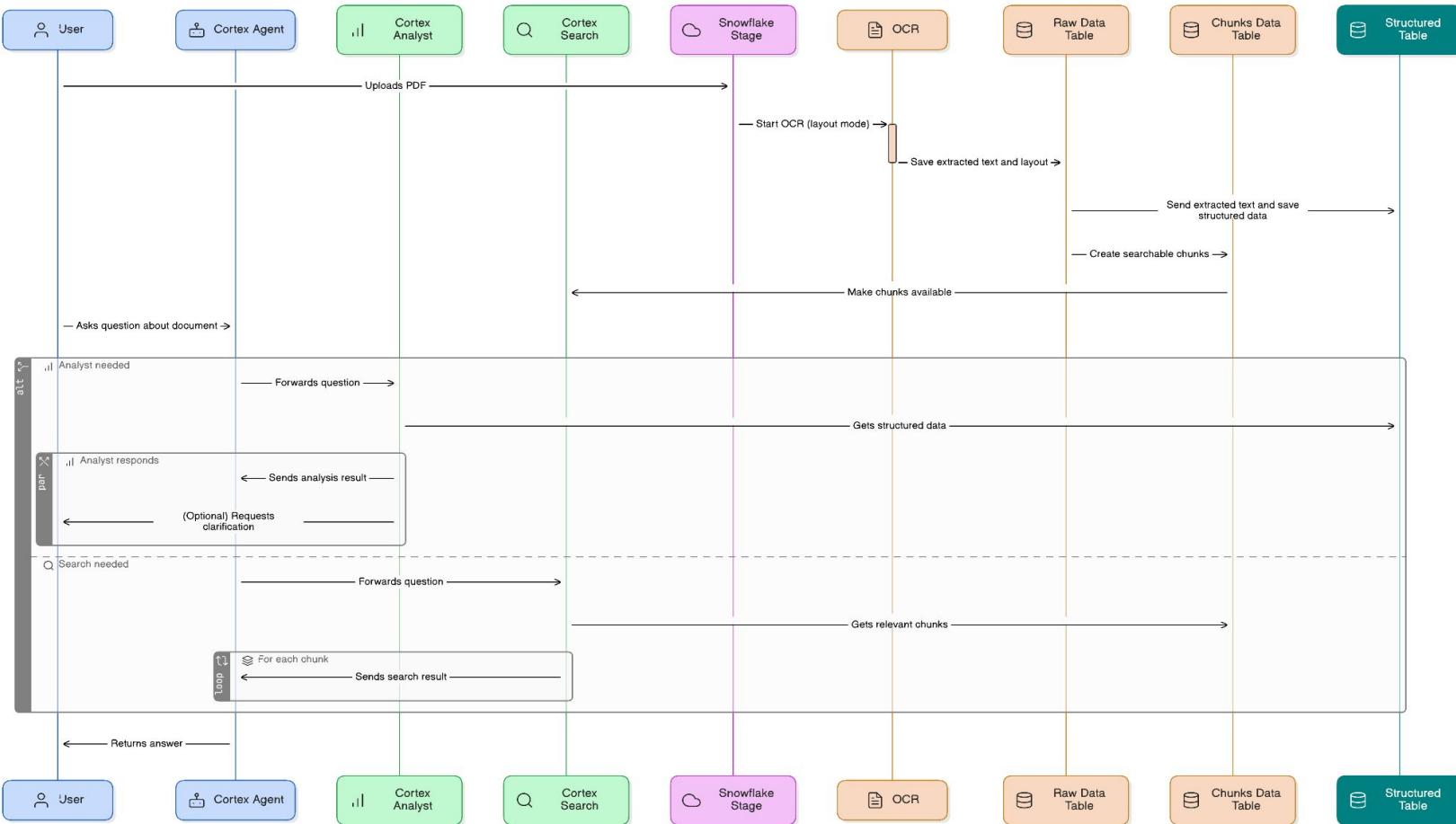
- Which products have the highest profit margins in the North region this quarter?
- What are the complete warranty terms for our Ultimate Downhill Bike model?
- How do the technical specifications of Carver Skis compare to competitor products?
- Which customer segments are driving the most revenue for bike vs ski categories?
- What visual design features correlate with our best-selling products?



Data Structure



WorkFlow



DEMO



THANK YOU



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Appendix



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Premium Bike Warranty Details

External

Snowflake-Webinars x



Snowflake Computing <no-reply@snowflake.net>

to me ▾

Premium Bike Warranty Information

Dear Team,

Here are the comprehensive details about our premium bike warranty:

Warranty Coverage:

- Duration: 14 months from the date of purchase
- Coverage includes:
 - Manufacturing defects
 - Faults in materials
 - Faults in workmanship

Warranty Claim Process:

1. Contact our customer service department
2. Provide proof of purchase

Additional Important Information:

- Regular maintenance is required to maintain warranty validity
- Keep your warranty card safe as it contains detailed terms and conditions

Usage Guidelines for Warranty Validity:

- Follow proper maintenance schedules
- Use appropriate products for maintenance
- Note: Do not use the bike when temperature exceeds 40 degrees celsius as tires are not designed for such temperatures

For any questions or to make a warranty claim, please contact our customer service department.

Best regards,
Customer Service Team

Monthly Sales Revenue Trends Analysis by Product Category

External



Snowflake Computing <no-reply@snowflake.net>

to me ▾

Monthly Sales Revenue Trends Analysis (Past 2 Years)

Dear Leadership Team,

Here's a detailed analysis of our monthly sales revenue trends by product category over the past 2 years:

Key Findings:

- **Bikes:** Our highest revenue generator, consistently achieving ₹40-50 million in monthly revenue
- **Skis:** Second-highest revenue stream, generating ₹3-4 million monthly
- **Ski Boots:** Stable revenue pattern of ₹800,000-900,000 per month

The detailed data and visualizations are available in our analytics platform. You can access:

- Interactive trend visualization showing monthly patterns
- Comprehensive monthly breakdown table with exact figures

Please access the platform to view the complete dataset and interactive visualizations for deeper insights.

Best regards,

Analytics Team



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