

# Masood Alam

---

## When Data Starts Talking Back: **The Rise of Conversational Intelligence**

What If Data Could Answer You?

---





# The Vision That Became Conversational Intelligence



## Yesterday

We imagined speaking to computers as naturally as we speak to each other.

## Today

Machines understand language, context, and intent.

## Tomorrow

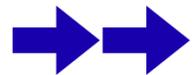
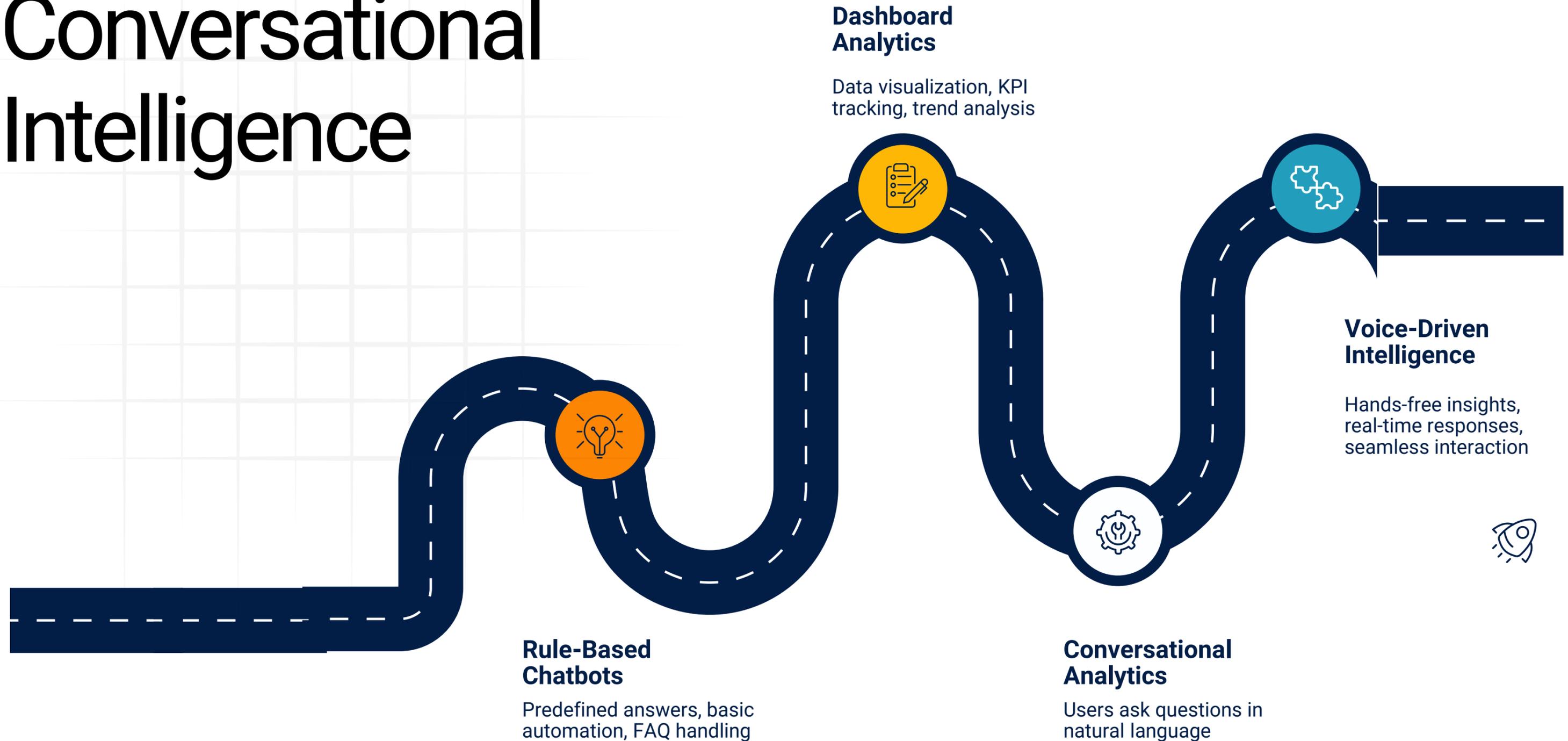
Conversational systems become the front door to services, knowledge, and decision making.



Sundar Pichai

The next big step in computing is a natural, conversational way to interact with devices.

# Stages of Conversational Intelligence



The evolution shows a shift from structured systems to natural human interaction, making data increasingly accessible and intelligent.

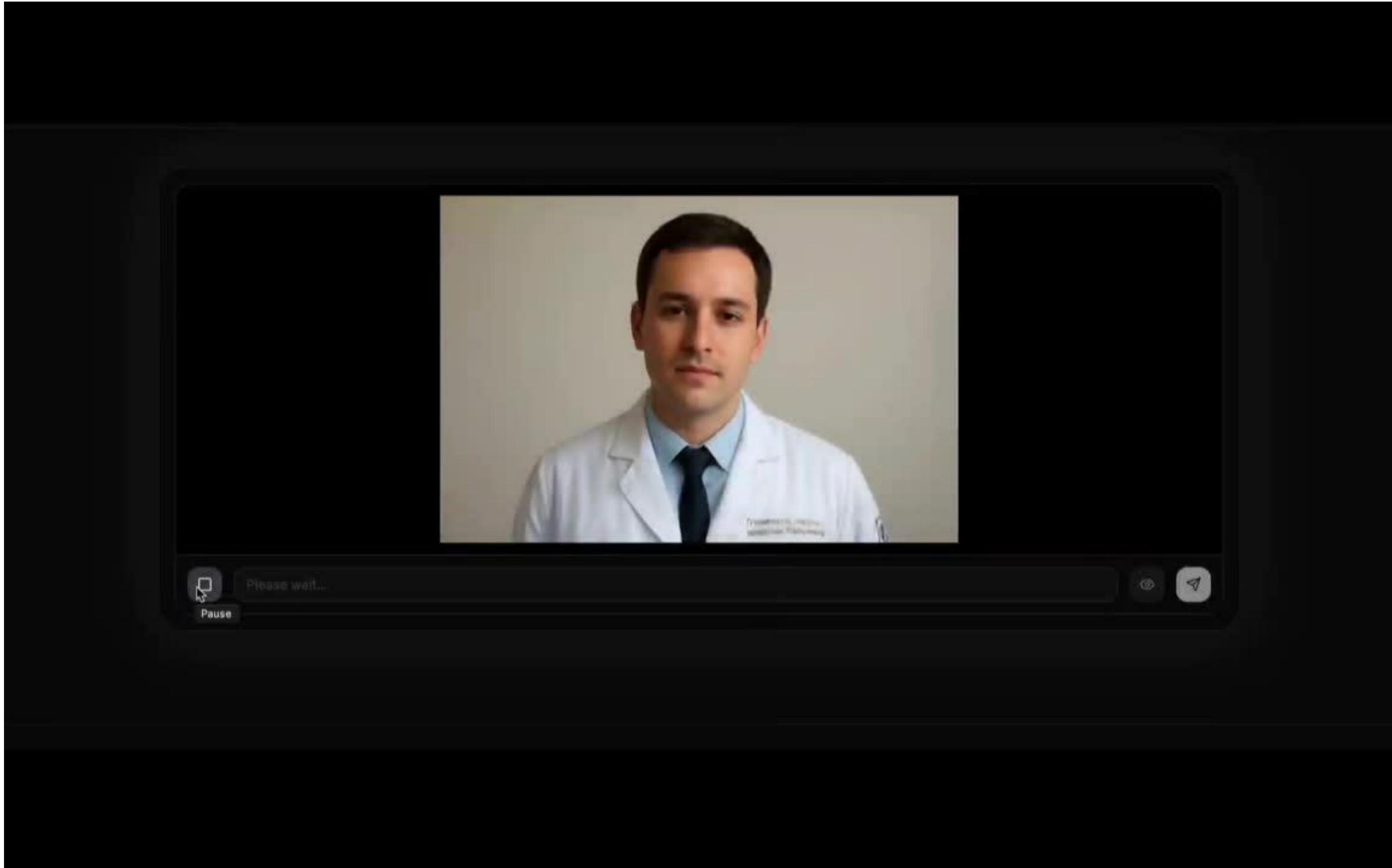
# Conversational Intelligence Demo (Flight Data )

## Scenario: Chat To Data

The screenshot displays the ThrustIQ chat interface. On the left is a dark blue sidebar with the ThrustIQ logo (Accelerated Thinking) and navigation options: Dashboards, Manage Connections, Chat - Data Sources, Retail, and Travel. At the bottom of the sidebar is an orange 'Upgrade to Pro' button and a user profile for Masood (masood.jevot@gmail.c...). The main chat area shows a welcome message: 'Good afternoon, Masood!' and 'Welcome to Thrust IQ. Ask about travel.' Below this are three suggested queries: 'What are the most common cancellation reasons?', 'How do cancellation counts vary by reason?', and 'Are there any seasonal patterns in cancellations?'. At the bottom, there is a text input field containing 'Show me' and a send button.

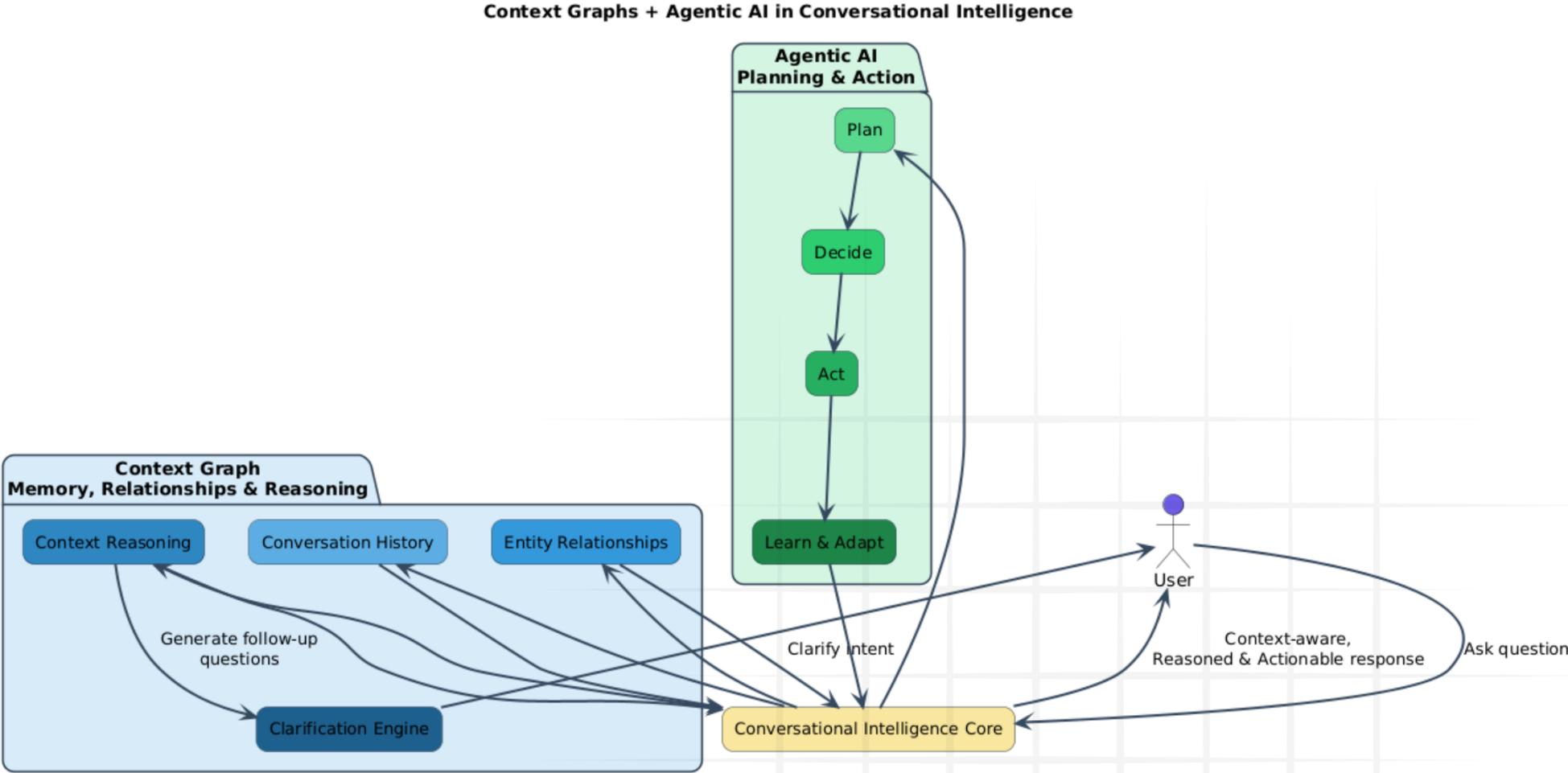
# Conversational Intelligence demo (Hospital Data)

Scenario: **Talk To Data**



# Context Graphs and Agentic AI: Powering Intelligent Conversations

Context Graph	Agentic AI
Stores relationships and history	Plans multi-step tasks
Understands context across interactions	Makes informed decisions
Reasons over connected information	Executes actions autonomously
Asks clarifying questions	Learns and adapts from outcomes



### Power of Context Graphs

- Connect related entities, topics and interactions
- Enable deeper reasoning across linked information
- Enhance relevance and coherence in responses

### Context Graph Capabilities

- Maintain structured relationships between data and users
- Support contextual understanding beyond single queries
- Generate clarifying questions to refine intent

### Building Conversational Memory

- Preserve history across interactions
- Track user preferences and previous goals
- Strengthen continuity in multi-step conversations

# The Business Value of Conversational AI

## Democratizes data access

Enables people across an organisation to access and understand data without requiring advanced technical skills.

## Faster decision-making

Provides immediate insights, allowing teams to respond swiftly to changes and opportunities.

## Reduced technical barriers

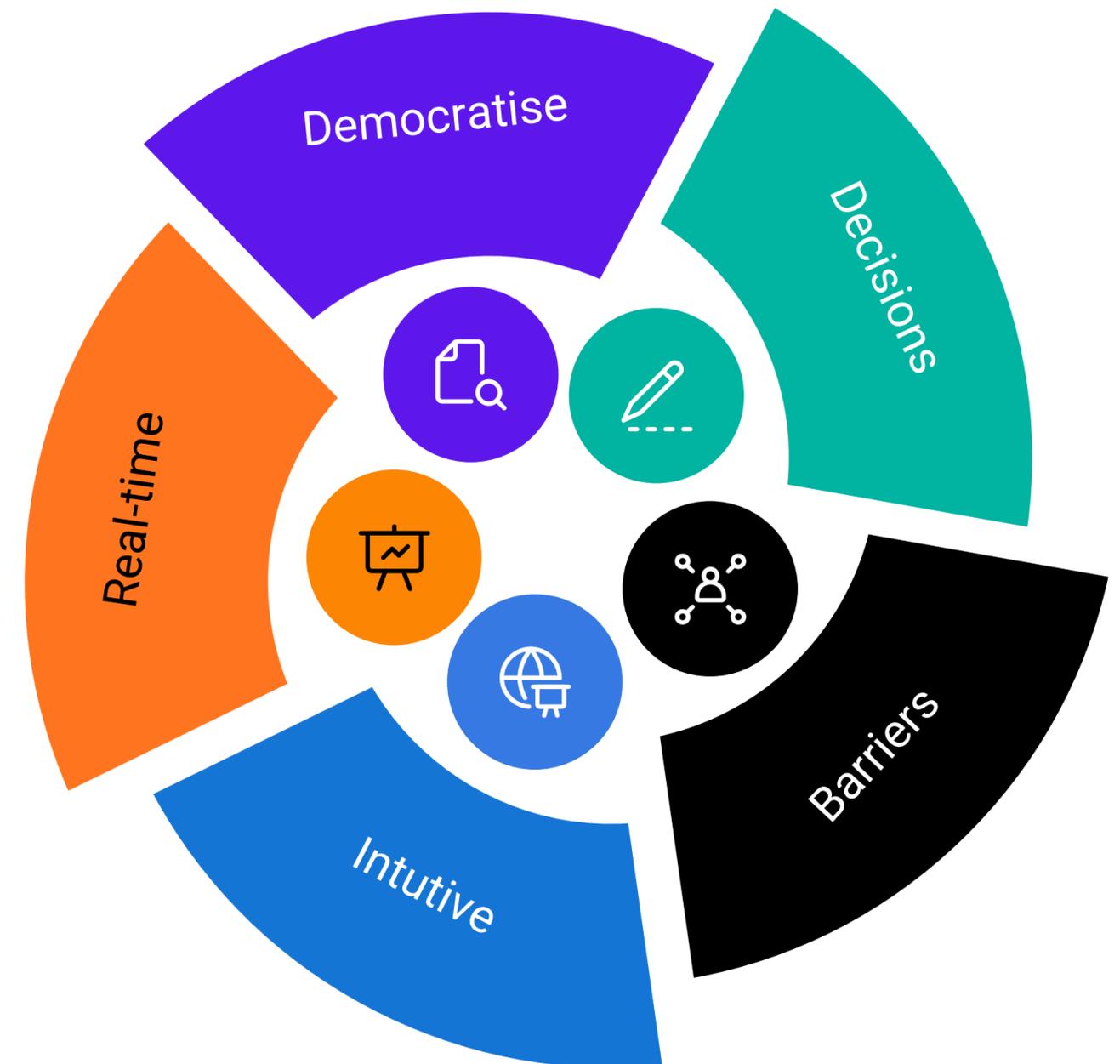
Removes the need for complex queries or specialist tools by enabling natural language interaction.

## More intuitive user experience

Offers a seamless, human-like way to explore information through conversation.

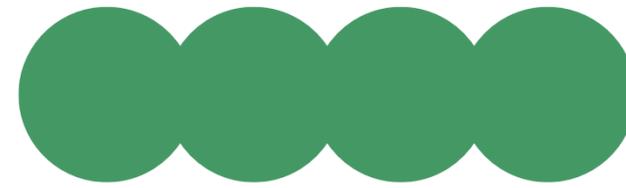
## Real-time insights

Delivers up-to-date analysis as new data becomes available.



➡➡ Conversational intelligence changes the way people interact with technology, making digital systems more natural, accessible and responsive to human needs.

# Human Out Of The Loop



- **Up to 50% of entry-level** white-collar roles could be automated within five years, particularly in routine data and administrative work.

**Source:** AI Multiple Research

<https://research.aimultiple.com/ai-job-loss/>

- **AI and automation** may displace around 6% of US jobs by 2030 (over 10 million roles) due to structural automation trends.

**Source:** Forrester

<https://www.forrester.com/blogs/ai-and-automation-will-take-6-of-us-jobs-by-2030/>

- **Routine roles such as customer service**, data entry, bookkeeping and scheduling are among the most vulnerable to automation.

**Source:** Nexford University Analysis

<https://www.nexford.edu/insights/how-will-ai-affect-jobs>

- **One in six employers** expect AI to result in job losses, with some predicting workforce reductions of 10% or more.

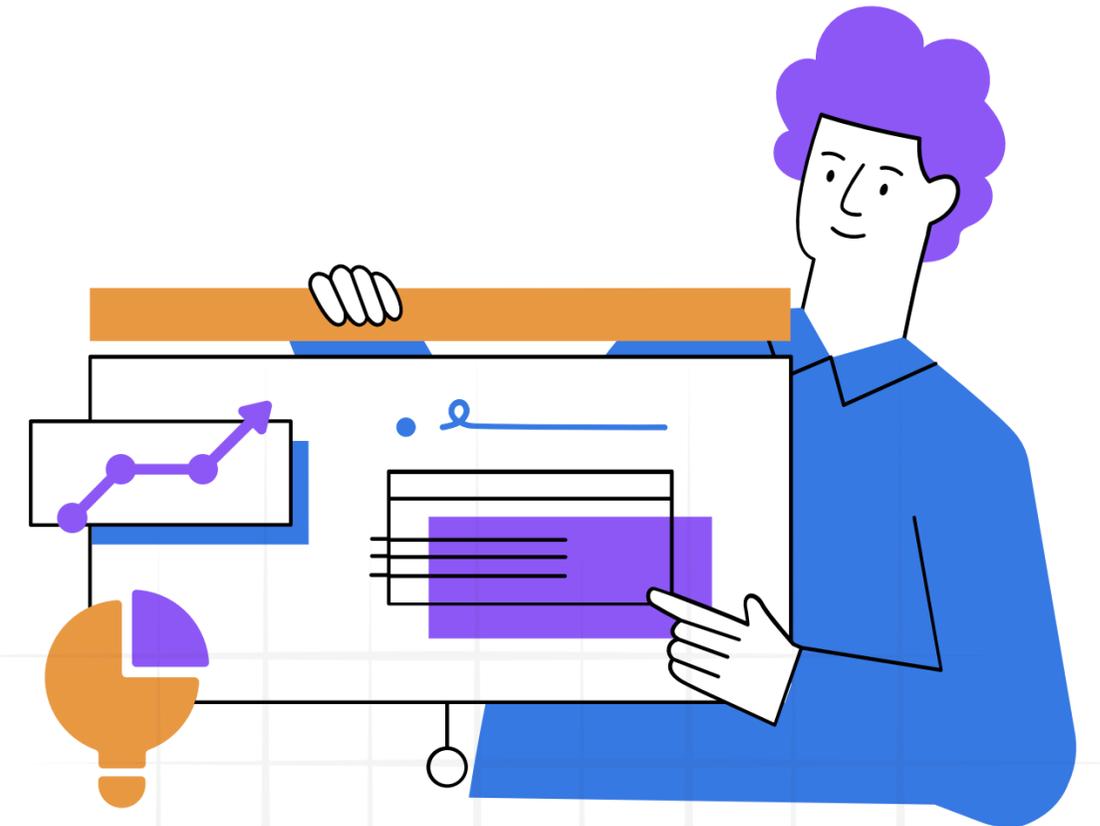
**Source:** CIPD / People Management

<https://www.peoplemanagement.co.uk/article/1939164/one-six-employers-expect-job-losses-ai-cipd-finds>

- **Generative AI could impact up to 300 million** full-time jobs globally, particularly in administrative and knowledge roles.

**Source:** Goldman Sachs Report

<https://www.goldmansachs.com/insights/articles/generative-ai-could-raise-global-gdp-by-7-percent>

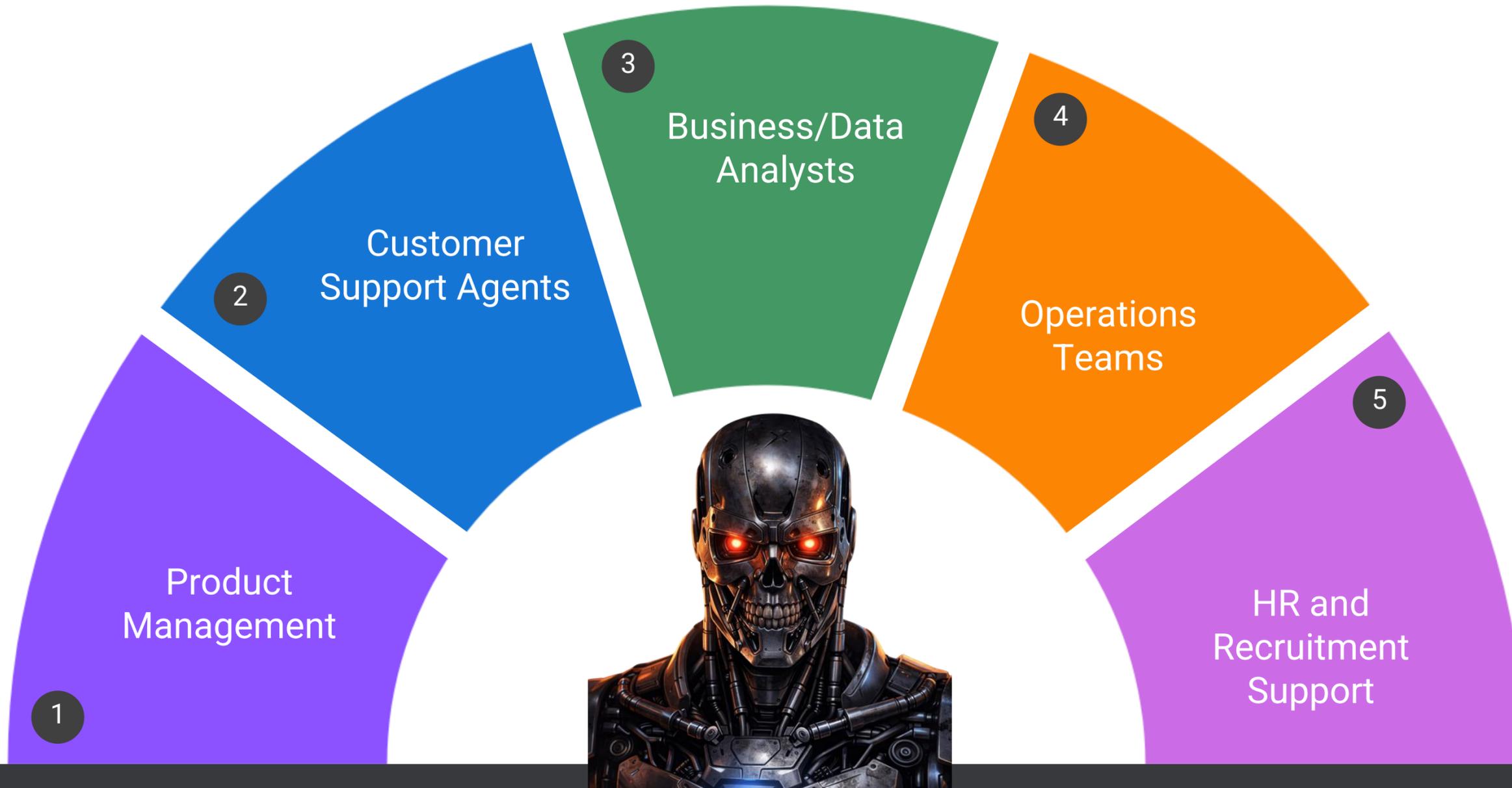


**Around 10 million U.S. jobs by 2030**

**1–3 million UK jobs by 2035**

# The Rise Of Machines

Roles Most Likely to Be Transformed by Conversational Intelligence



**Masood  
Alam**

**Thank You**

- +44 7825 018241
- masood@resolve.haus
- <https://www.resolve.haus/>

