



# Building a Twitter Trend Tracking AI Agent with n8n

A powerful yet simple AI agent that tracks trending posts on X (Twitter) using just four nodes. Perfect for content creators, marketers, and trend analysts.

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Created by Chinmay Kaitade | MERN Stack Developer | AI Enthusiast

# What This Agent Can Do



## Search Trending Posts

Fetches top-trending posts on X based on any search term you provide



## Organize Key Metrics

Captures likes, retweets, views, and bookmark counts in structured format



## Direct URL Access

Provides instant links to trending posts for quick reference and sharing



## Smart Filtering

Sort and filter results by engagement metrics to find the most impactful content

# The Four-Node Architecture

01

## Chat Message Trigger

Initiates workflow when you input a search term

02

## HTTP Request Node

Connects to Twitter API and fetches trending data

03

## Code Node

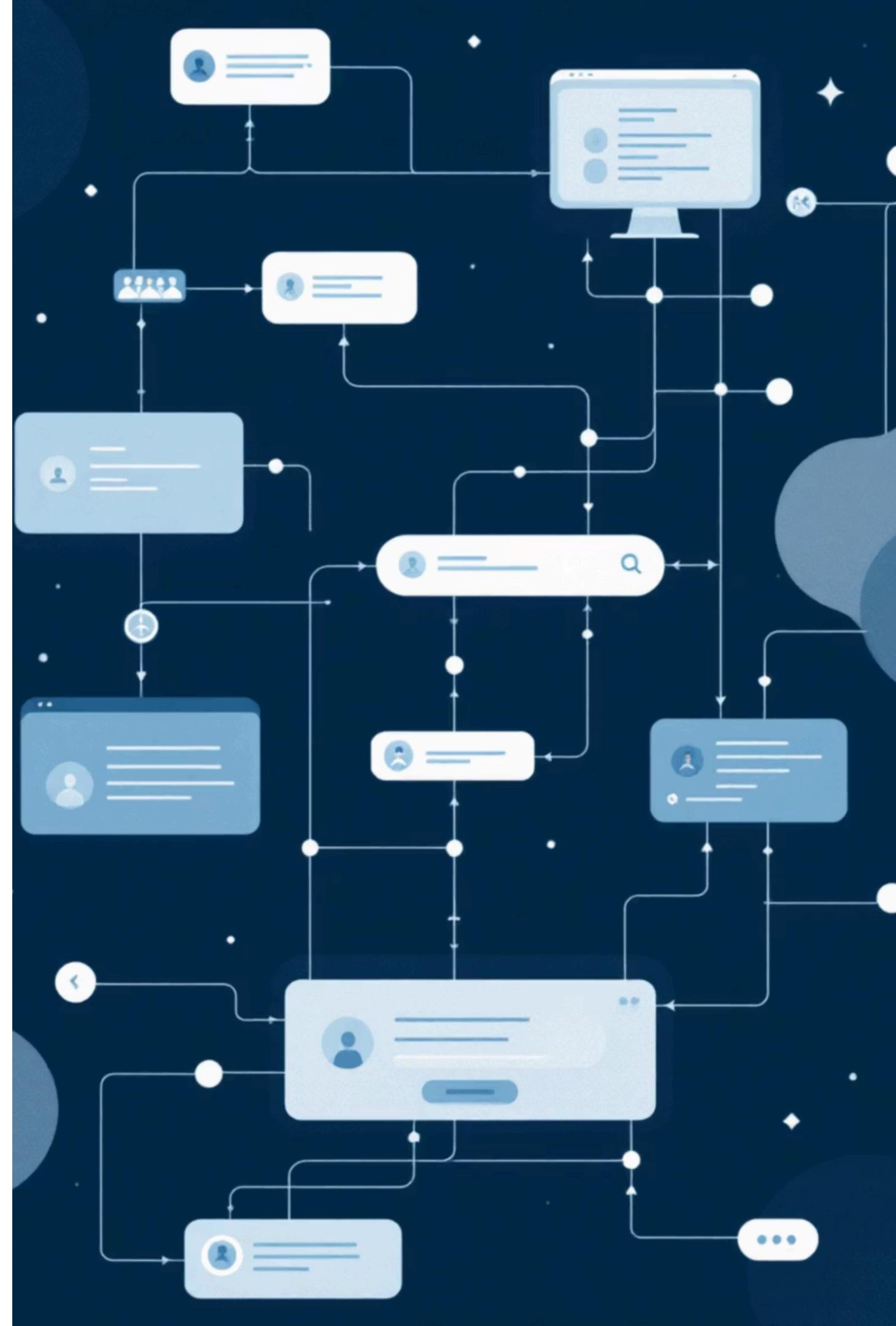
Transforms raw data into structured, organized format

04

## Airtable Node

Stores and visualizes your data for analysis

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# Setting Up the HTTP Request Node

## Configuration Steps

- **Method:** GET request to Twitter API endpoint
- **Query Type:** Set to "top" for trending results
- **Dynamic Query:** Takes search term from Chat Trigger
- **Authentication:** X-API-Key header with your API key
- **Pagination:** Limit to 1-5 pages to manage credits

## API Considerations

 **Free Credits Available:** 100,000 credits for testing

**Security Note:** Exercise caution with third-party APIs, especially regarding payment information



# Data Transformation with Code Node

The Code Node is where raw Twitter API responses become actionable insights. This critical step structures your data for easy analysis and storage.

## What Gets Extracted

- Like count
- Retweet count
- View metrics
- Bookmark count
- Post URLs
- Content text

## Pro Tip

Use GPT to quickly generate the transformation code. Simply describe your input format and desired output structure, and let AI write the code for you.

# Why Airtable Over Google Sheets?

Airtable provides dynamic capabilities essential for building sophisticated AI agents. Its flexibility and powerful features make it the preferred choice for data visualization and management.



## Advanced Filtering & Sorting

Real-time sorting by multiple metrics simultaneously



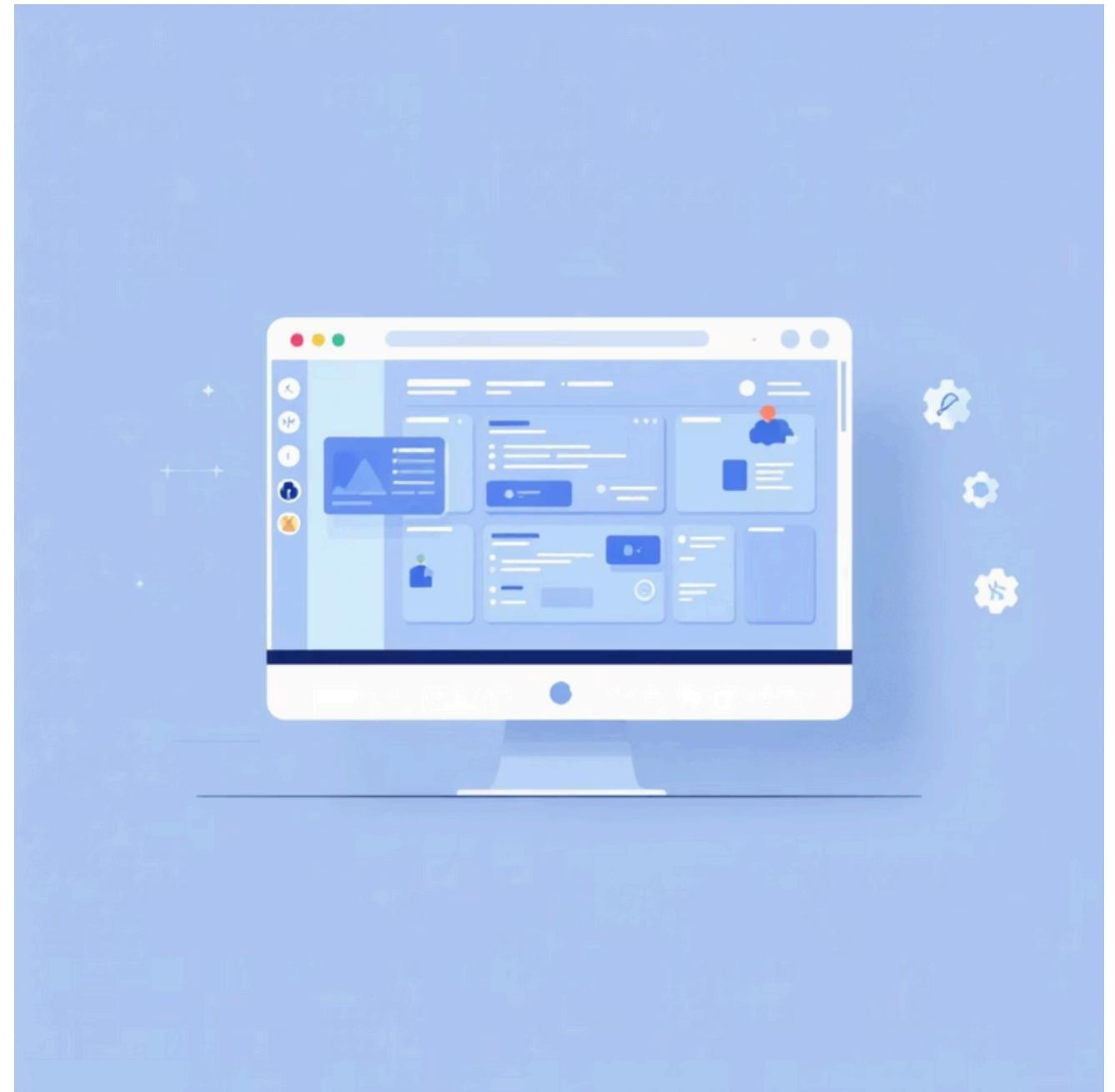
## Better Data Visualization

Multiple view types including gallery, kanban, and calendar



## Automation Ready

Built-in automation features for complex workflows



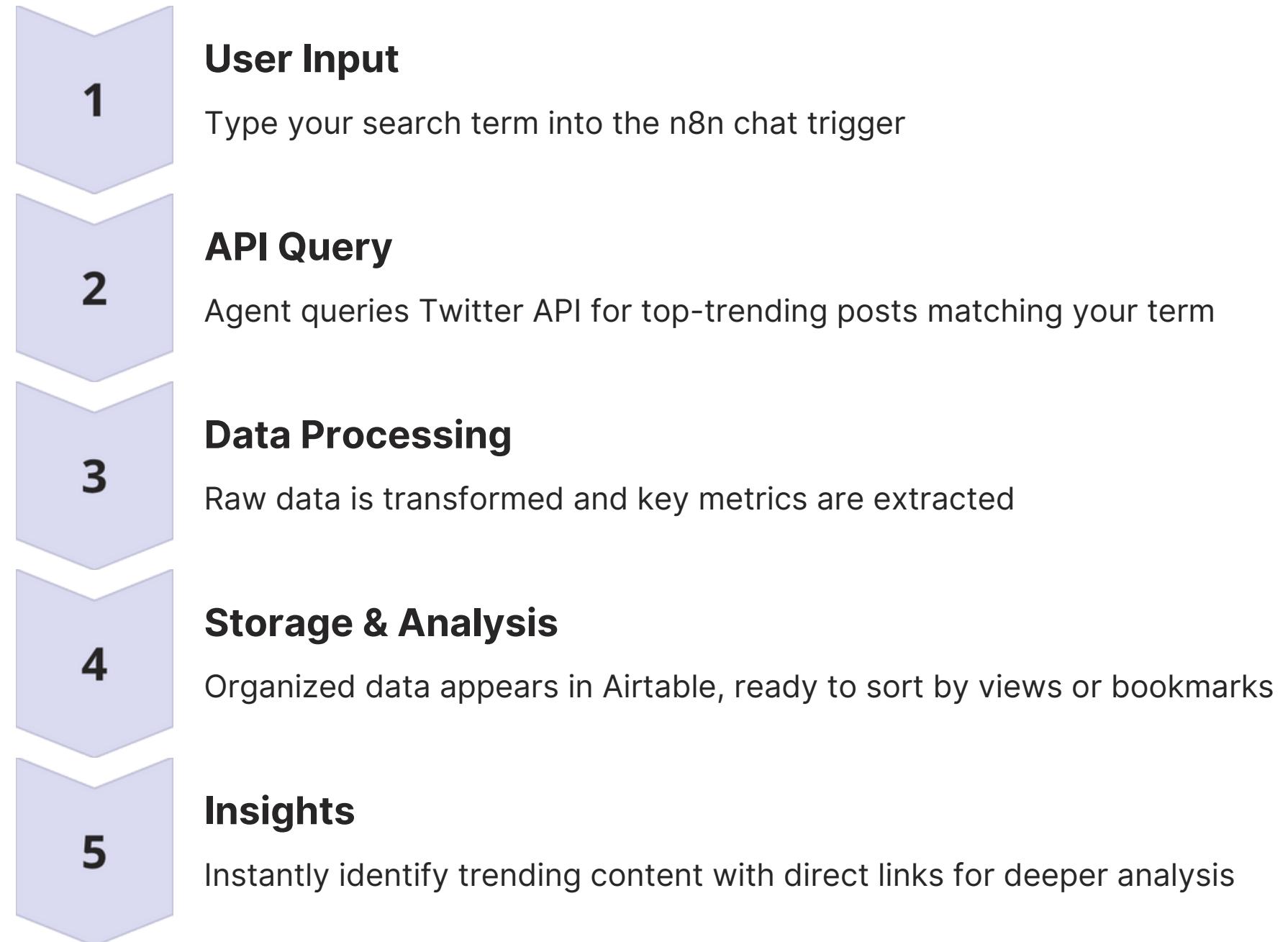
# Airtable Setup Requirements

Your Airtable base needs specific columns to capture all the essential Twitter data. Here's the complete structure:

Column Name	Purpose	Type
Tweet ID	Unique identifier for each tweet	Text
URL	Direct link to the tweet	URL
Content	Tweet text content	Long text
Likes	Like count metric	Number
Retweets	Retweet count	Number
Views	View count metric	Number
Bookmark Count	Number of bookmarks	Number
Date	Publication timestamp	Date

# Workflow in Action

## Example: Searching "AI trends 2025"



# Key Tips for Success

## API Security First

Always exercise caution with third-party APIs. Avoid entering sensitive payment information and verify API provider reputation before integration.

## Manage Your Credits

Limit pagination to 1-5 pages per request to conserve your 100,000 free credits. Monitor usage regularly to avoid unexpected costs.

## Master Airtable

Invest time learning Airtable's advanced features. Its dynamic capabilities are crucial for building sophisticated AI agents beyond basic spreadsheets.

## Content Strategy Gold

Use trending data to adapt your content strategy in real-time. Understanding what resonates helps you create more engaging, timely content.



# Ready to Build Your Own?

This simple four-node agent demonstrates the power of n8n for tracking social media trends. Whether you're a content creator, marketer, or researcher, this workflow provides real-time insights into what's capturing attention on X.

## Connect With Me

Follow my AI learning journey and let's stay connected! I share daily insights, tips, and projects.

- [Instagram](#)
- [GitHub](#)
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- [X \(Twitter\)](#)

## Start Building

With just four nodes and some API configuration, you can have your own trend tracking agent running in under an hour. The insights you'll gain are invaluable for staying ahead of the conversation.