



# Automated Daily Digest

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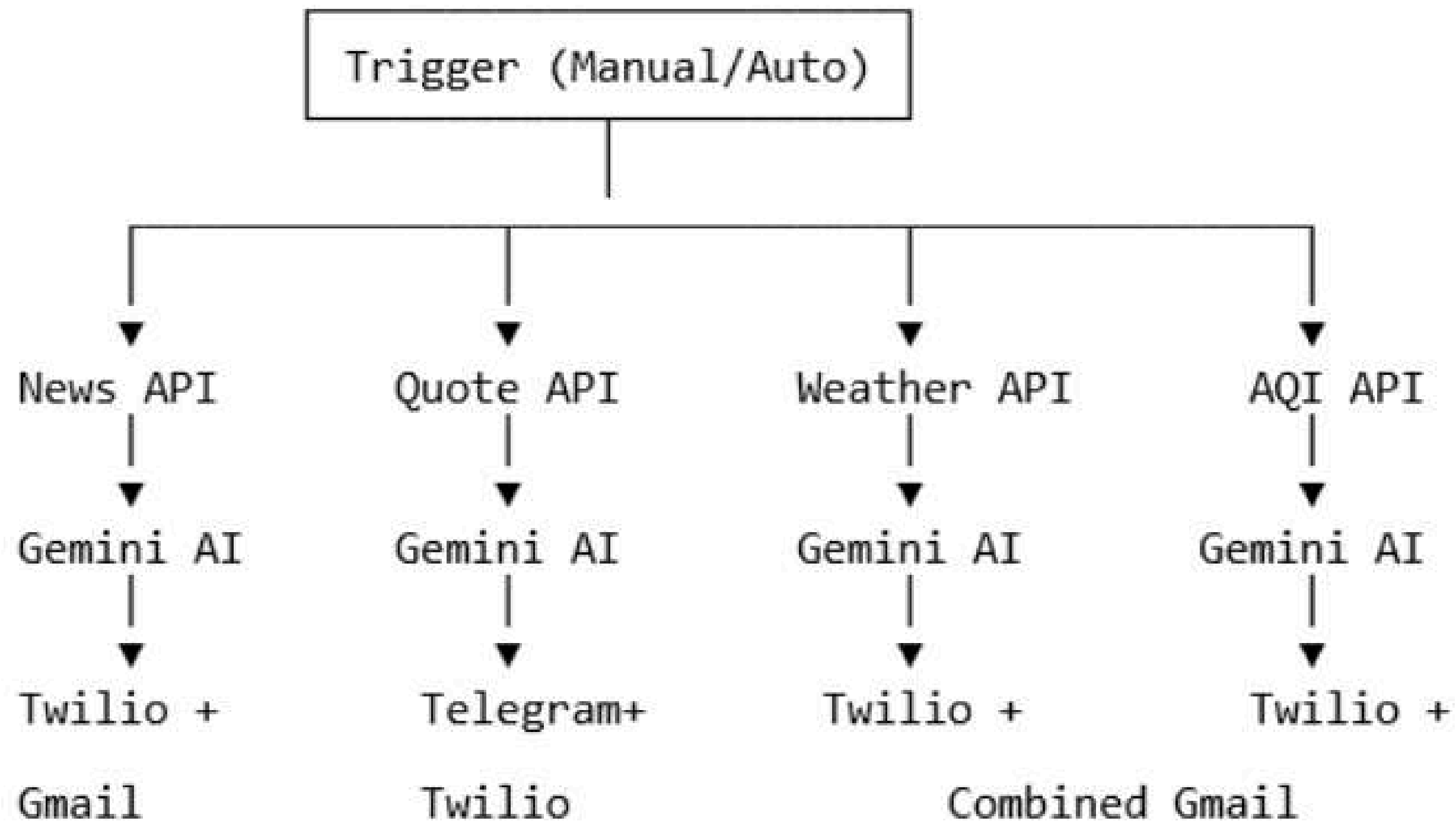


# OVERVIEW

- The goal of this workflow is to create a dynamic daily digest bot using n8n that automatically gathers quotes, news headlines, and weather updates, and delivers them in a concise, friendly format.
- This automation ensures that users receive timely and personalized information without manual effort
- 📰 News: [NewsAPI.org](https://newsapi.org)
- 💬 Quotes: [ZenQuotes.io](https://zenquotes.io)
- ☁️ Weather: [OpenWeatherMap](https://openweathermap.org)
- 🌫️ Air Quality: [IQA](https://www.iqair.com)
- [Twilio](#), [Gmail](#), [Telegram](#)

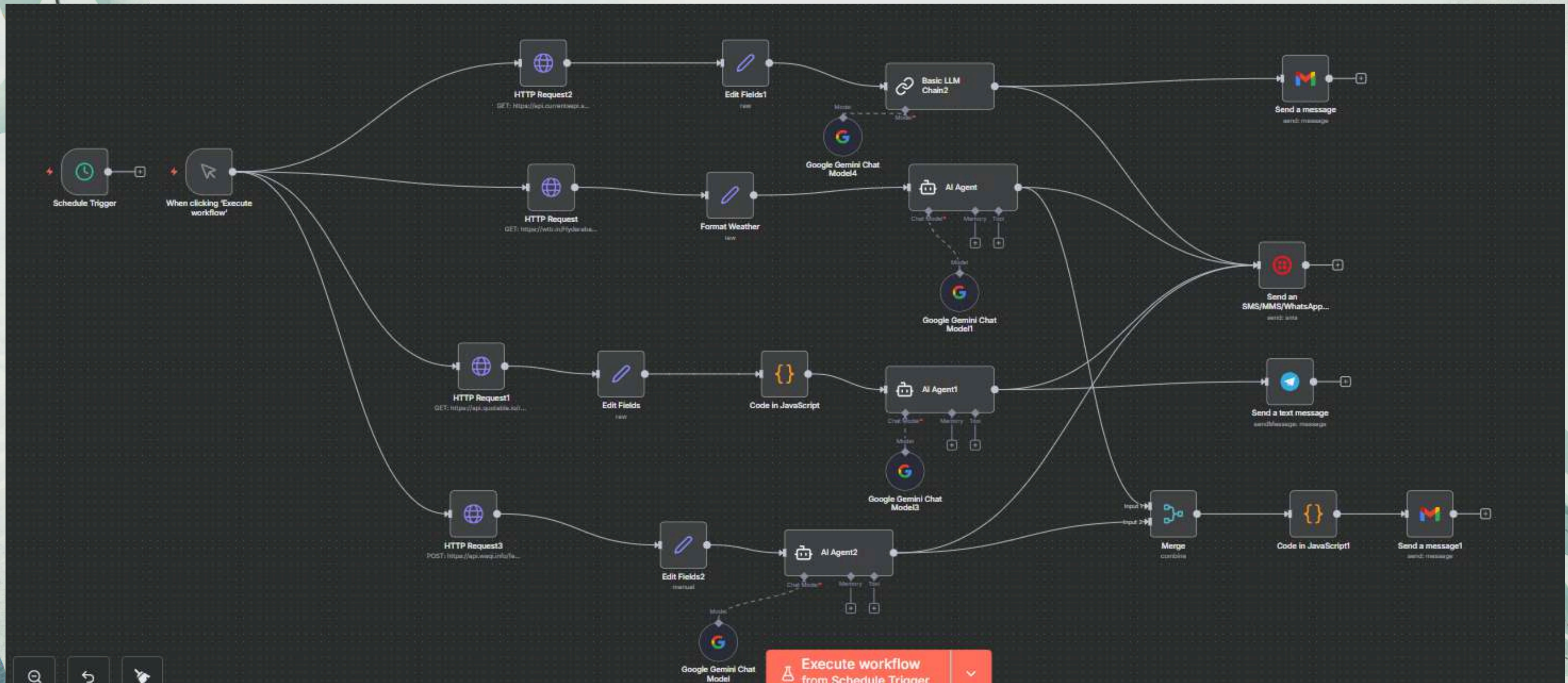


# HIGH LEVEL WORKFLOW





# N8N WORKFLOW





# PREREQUISITES

Service	Credential Type	Purpose
NewsAPI	API Key	Fetch news headlines
ZenQuotes	Open	Fetch quotes
OpenWeatherMap	API Key	Weather data
IQAir	API Key	AQI data
Google Gemini	API Key	AI text formatting
Twilio	SID + Auth	WhatsApp delivery
Gmail	OAuth2	Email delivery
Telegram	Bot Token	Quote delivery



# STEPS INVLOVED

## News Branch

- API: [NewsAPI.org](https://newsapi.org)
- Purpose: Fetch top 3 daily headlines
- 🧠 Gemini Prompt Example:

📰 Transform the top 3 news stories below into a friendly, engaging newsletter snippet. Use emojis, short sentences, and a cheerful tone. Include the title, description, and a 'Read more' link for each story.

Title: {{\$json["title1"]}}

Description: {{\$json["desc1"]}}

Link: {{\$json["url1"]}}

- Output Nodes: WhatsApp + Gmail



# STEPS INVLOVED

## 💬 3.3 Quote Branch

- API: [ZenQuotes.io](https://zenquotes.io)
- Purpose: Fetch motivational quotes

## 🧠 Gemini Prompt Example:

You are a friendly AI assistant. Based on the following inspirational quote, provide:

1. A short, engaging daily message for the user.
2. A friendly action or reflection suggestion related to the quote.

Quote: {{ \$json.quoteText }}

Keep it light, fun, and easy to read.

- Output Nodes: WhatsApp + Telegram



# STEPS INVLOVED

## ☀️ 3.4 Weather Branch

- API: OpenWeatherMap
- Purpose: Fetch current weather for users location

## 🧠 Gemini Prompt Example:

You are a friendly AI assistant. Based on the following weather data, give a short, engaging recommendation for the day:

City: {{\$json["city"]}}

Temperature: {{\$json["temperature"]}}° C

Condition: {{\$json["description"]}}

Humidity: {{\$json["humidity"]}}%

- Output Nodes: WhatsApp + Gmail



# STEPS INVLOVED

## ☀️ 3.4 AQI Branch

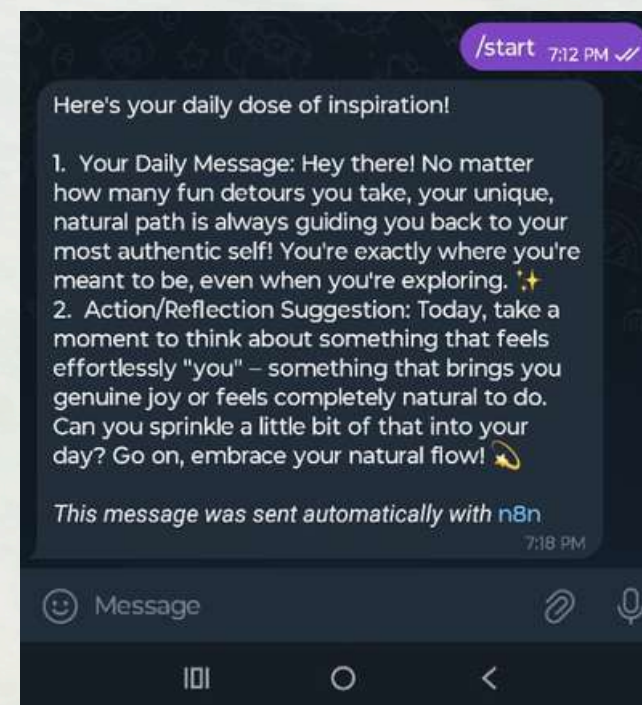
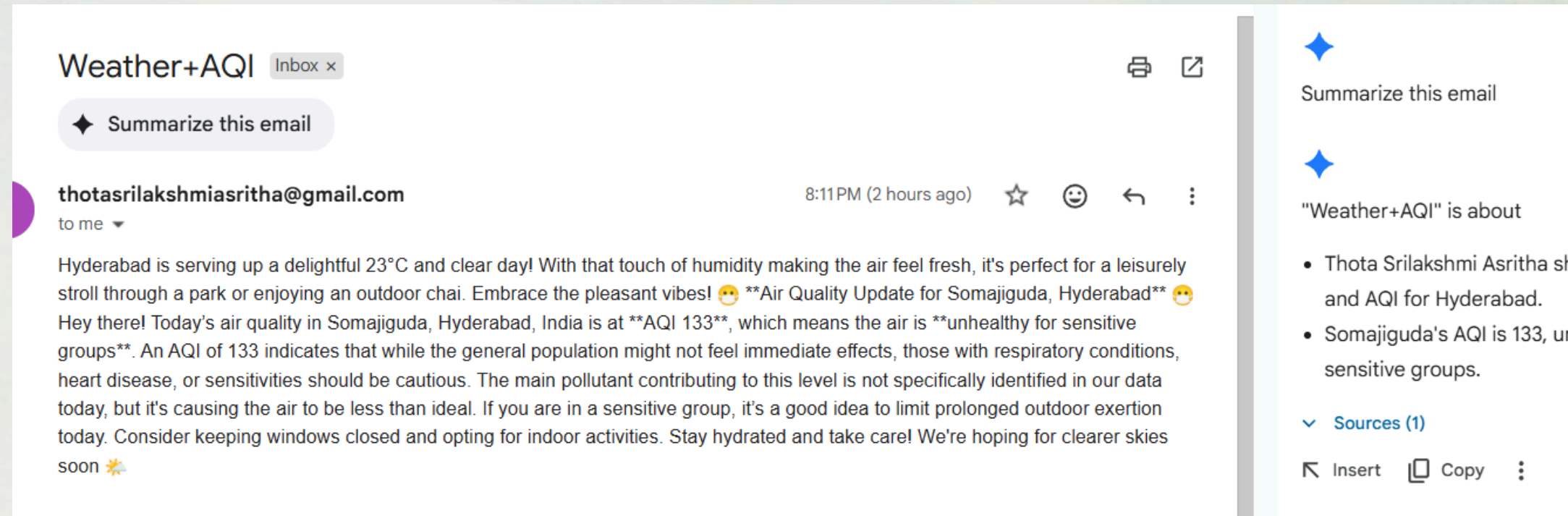
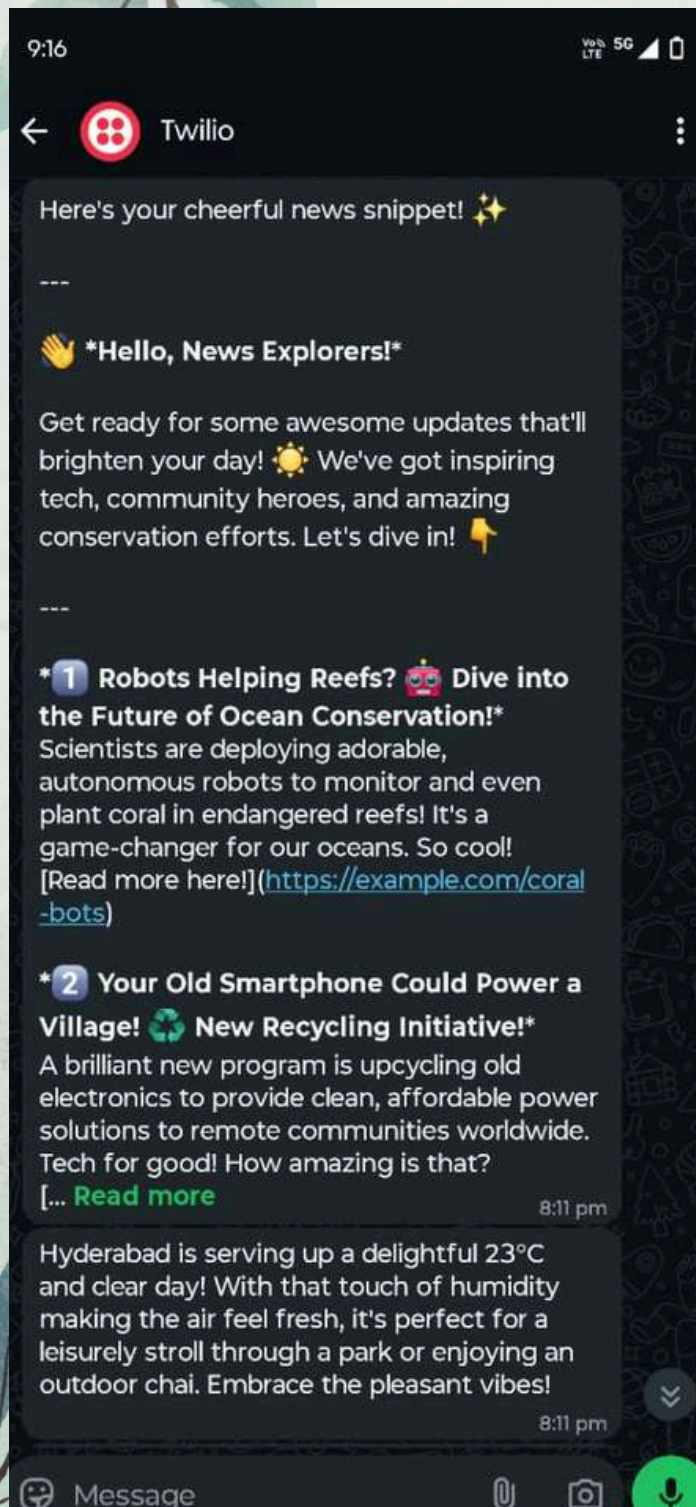
- API: IQAir
- Purpose: Fetchair quality of the current location

## 🧠 Gemini Prompt Example:

- You are an AI assistant that creates a detailed, human-like Air Quality Update for a daily SMS or WhatsApp message.
- 1. Extract the following:
  - - City name (from "data.city.name")
  - - AQI value (from "data.aqi")
- 2. Determine air quality level:
  - - 0–50 → Excellent 🌿
  - - 51–100 → Moderate 😊
  - - 101–150 → Unhealthy for Sensitive Groups 🤧
  - - 151–200 → Unhealthy 🚫
  - - 201–300 → Very Unhealthy ☠️
  - - 301+ → Hazardous ⚠️



# OUTPUT IMAGES





The image features a light teal background with a subtle, painterly texture. In the four corners, there are delicate illustrations of teal-colored leafy branches, with leaves of varying sizes and shapes, some showing fine vein details. The central text "Thank You" is rendered in a dark teal, classic serif typeface.

# Thank You