REDDIT THREAD SUMMARIZER

AUTOMATING REDDIT DISCUSSIONS
INTO CONCISE SUMMARIES

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Problem Statement

- Reddit threads often have thousands of comments across long discussions.
- Manually reading through them to extract insights is time-consuming.
- Need for an automated system that can:
    - Fetch Reddit posts and comments.
    - Summarize key points intelligently.
    - Log results and share with users instantly.

Objective

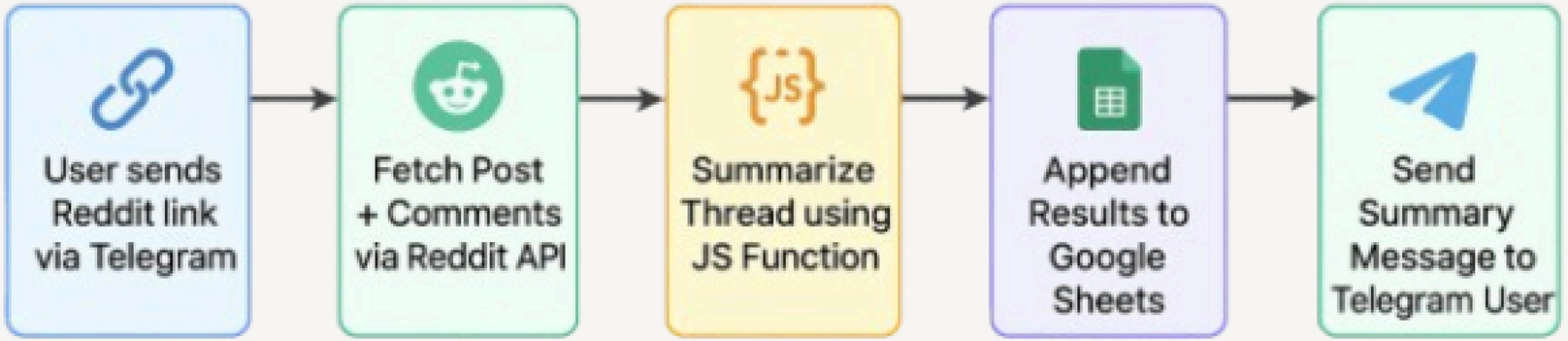
To create an automated workflow that:

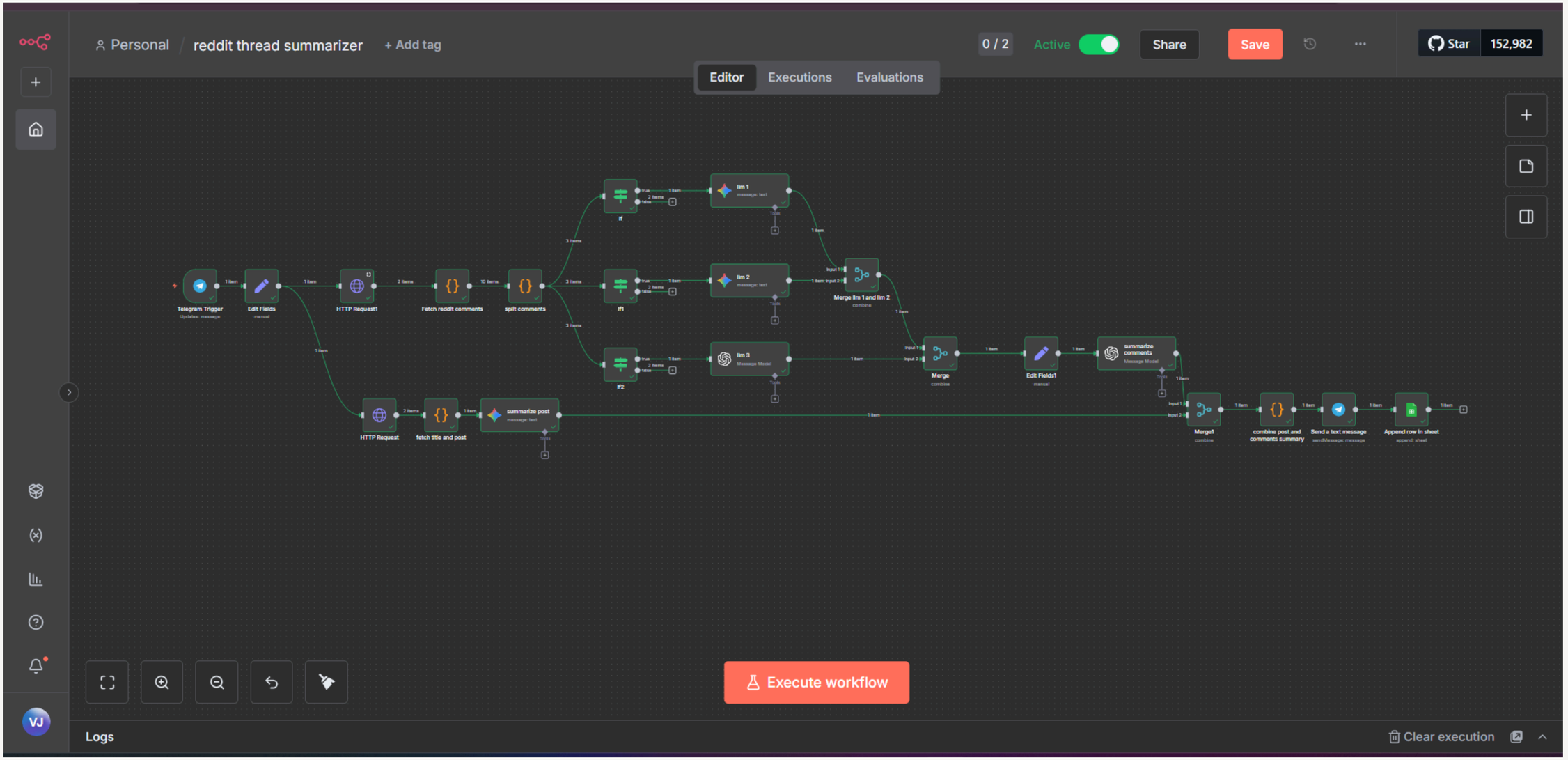
- Fetches Reddit thread content.
- Summarizes the discussion dynamically.
- Sends the summary to Telegram.
- Logs the summarized data in Google Sheets.

TOOLS USED

TOOL	PURPOSE
n8n	Workflow automation and orchestration
Reddit API	Source for posts and comments
Telegram Bot API	For real time summary notifications
Google Sheets API	For structured data logging
OAuth2	Secure authentication

FLOW DIAGRAM



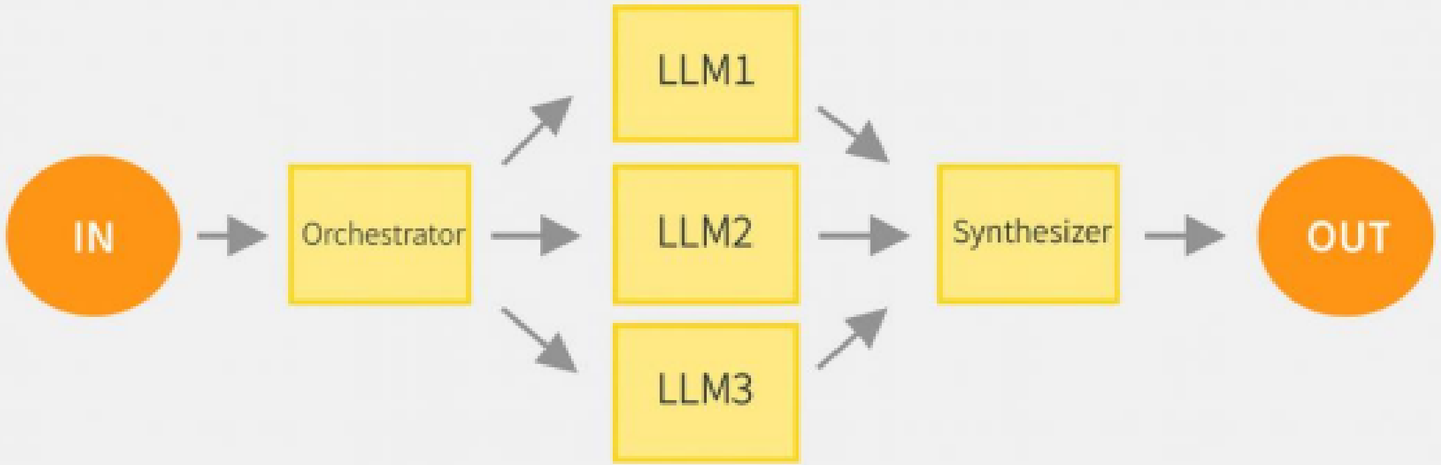

Personal
reddit thread summarizer
+ Add tag
0 / 2
Active
Share
Save
Star
152,982
Editor
Executions
Evaluations
Telegram Trigger
Edit Fields
HTTP Request1
Fetch reddit comments
split comments
If
If1
If2
llm 1
llm 2
llm 3
Merge llm 1 and llm 2
Merge
Edit Fields1
summarize comments
Merge1
combine post and comments summary
Send a text message
Append row in sheet
HTTP Request
fetch title and post
summarize post
Execute workflow
Logs
Clear execution

Handling Token Limit Challenge

- Reddit threads can exceed LLM token limits.
- Implemented logic to:
  - Chunk comments intelligently.
  - Summarize each batch separately.
  - Merge all summaries into a final composite summary.
- Ensures accuracy + efficiency without exceeding API limits.

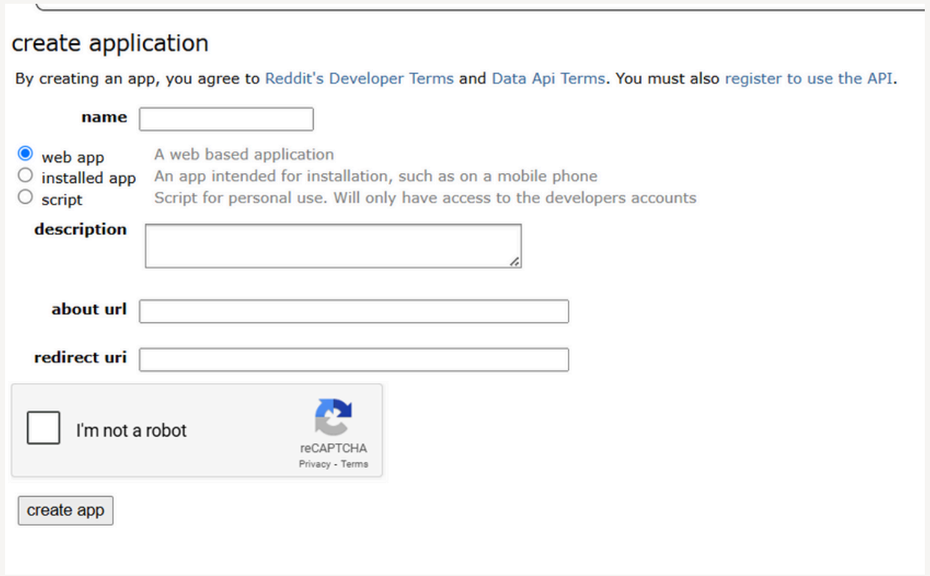
ORCHESTRATOR-WORKER

Dynamically decompose tasks and merge outputs



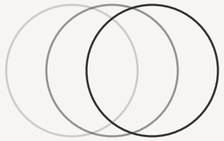
Reddit APi

- Go to: https://www.reddit.com/prefs/apps
- Log in or sign up if you don’t have a Reddit account.
- Scroll Down to “Developed Applications” .Click on “Create Application” or “Create Another App.”



Reddit API

Fill Out the App Details
In the form that appears:



- Name: Enter a name for your app (e.g., “Reddit Summarizer Bot”).
- App type: Choose “script” (for personal use) or “web app” (if using for automation with callbacks).
- Description: (Optional) Briefly describe your app, e.g., “Fetches Reddit threads for summarization.”
- About URL: You can leave it blank or use your GitHub/project link.
- Redirect URI: paste the OAuth Redirect URL from n8n create credentials page.

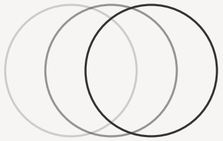
Then click “Create app.”

Reddit API

-After creation, you’ll see:

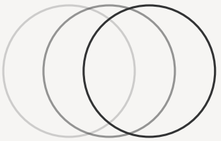
- Client ID: (The 14-character string under the app name)
- Client Secret: (Hidden by default — click to reveal it)

-Paste in n8n and connect account.



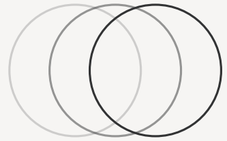
Google Sheets Integration

- Go to https://console.cloud.google.com/
- Log in with your Google account.
- Create a New Project.
- Open the API Library: Sheets API. Click Enable.
- Enable Google Drive API.
- Create OAuth Credentials.
- Connect to n8n.
- Create a New Google Sheet. Name it something like Reddit Thread Summaries.
- In the first row, define your columns.

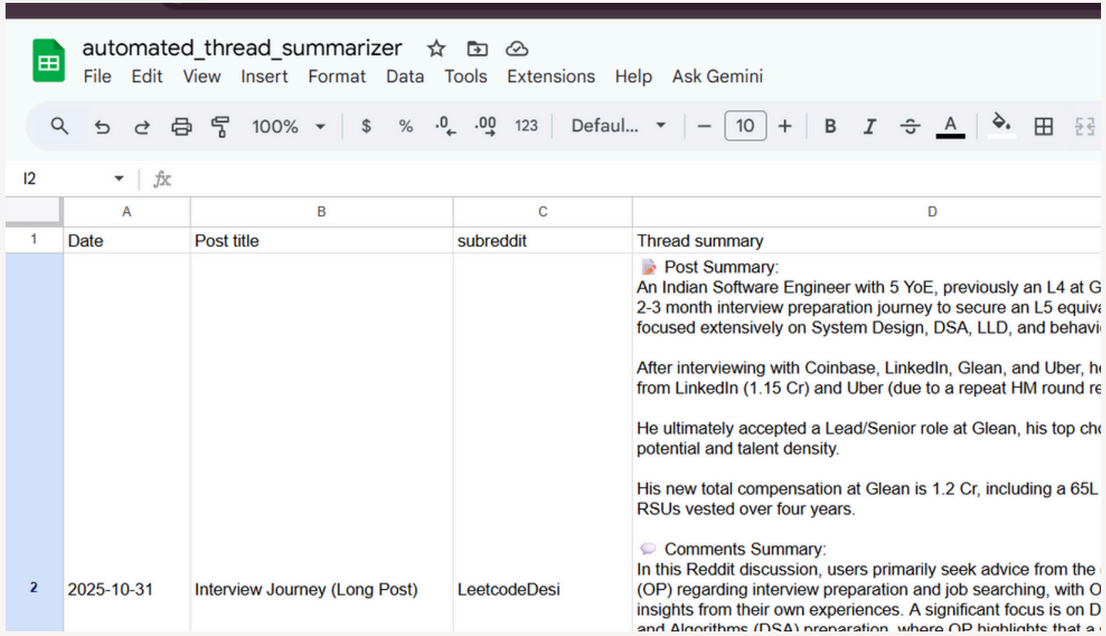


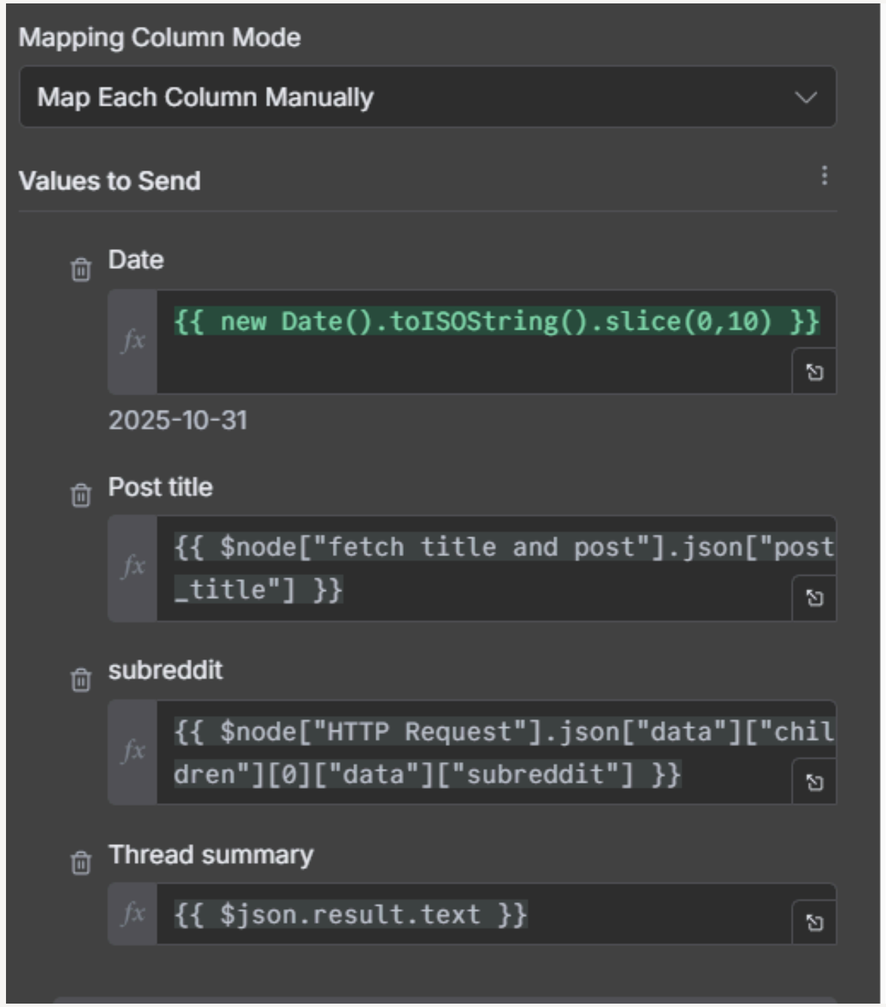
Google Sheets Integration

- Add a Google Sheets Node to your workflow.
- Set Resource: Sheet and Operation: Append Row.
- Under Spreadsheet ID, paste your Google Sheet URL.
- After selecting the sheet, n8n will auto-detect your column headers (Date, Post Title, Subreddit, Thread Summary).
- Map each field from your previous nodes:

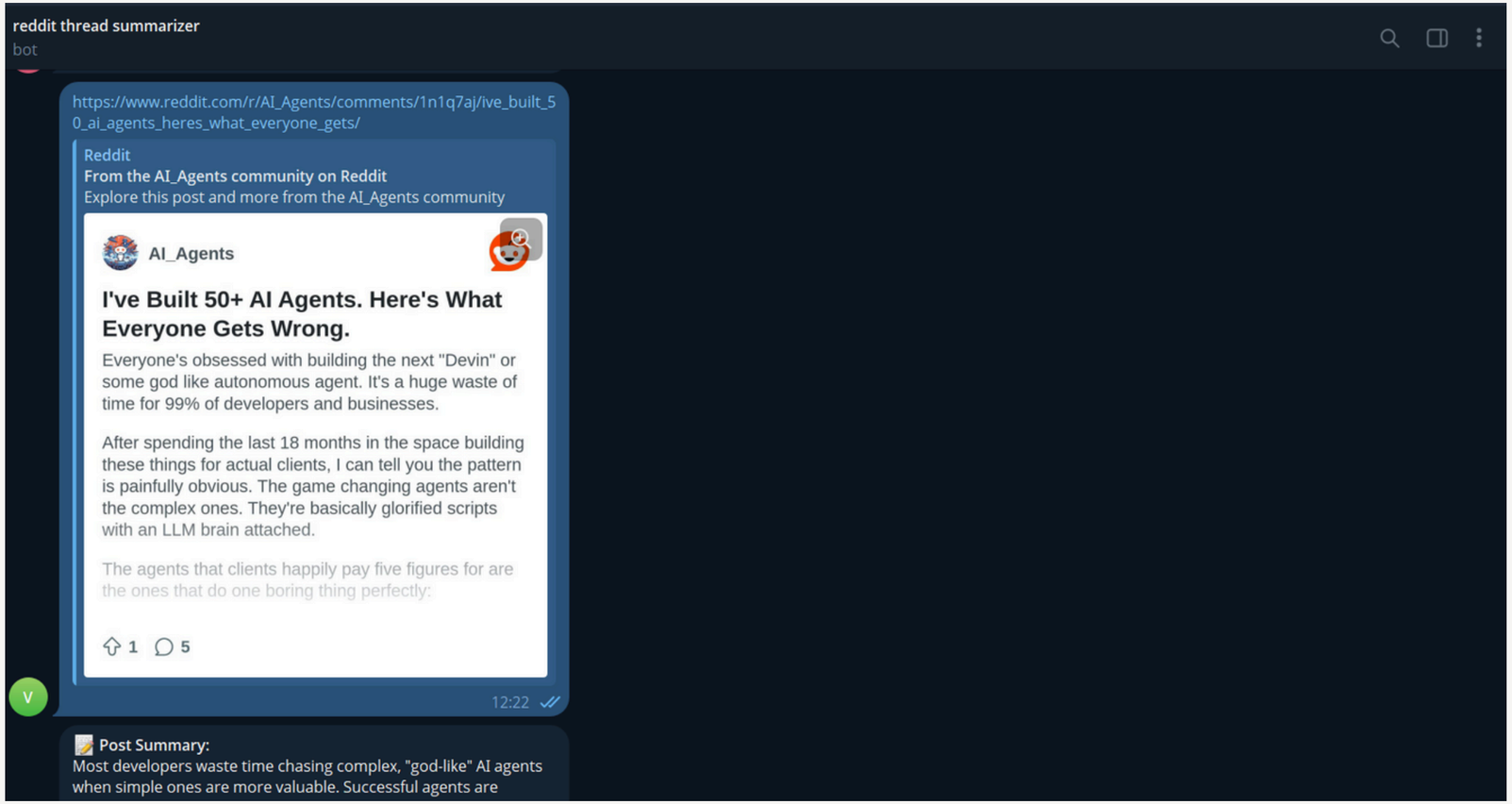


Google Sheets Integration



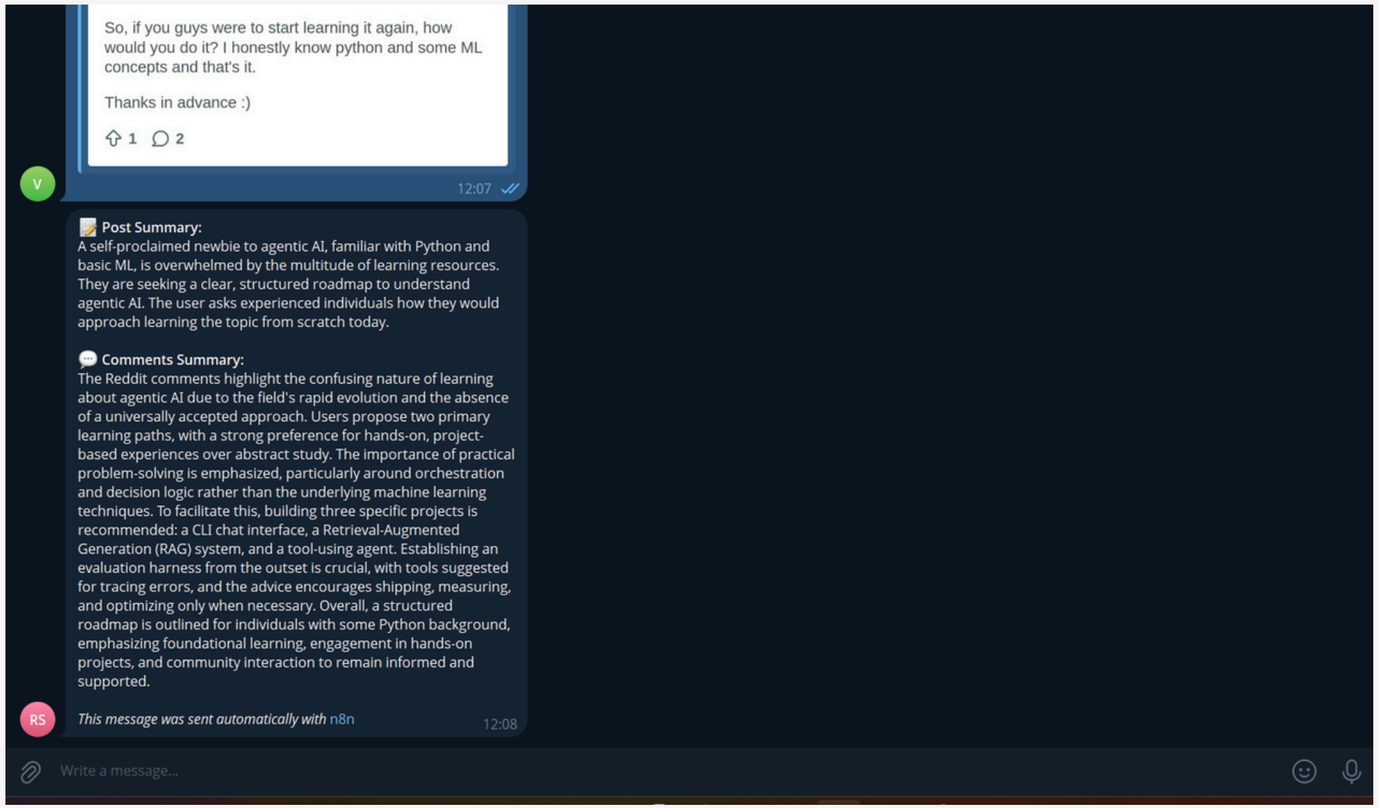


OUTPUT


reddit thread summarizer
bot
https://www.reddit.com/r/AI_Agents/comments/1n1q7aj/ive_built_50_ai_agents_heres_what_everyone_gets/
Reddit
From the AI_Agents community on Reddit
Explore this post and more from the AI_Agents community
AI_Agents
I've Built 50+ AI Agents. Here's What Everyone Gets Wrong.
Everyone's obsessed with building the next "Devin" or some god like autonomous agent. It's a huge waste of time for 99% of developers and businesses.
After spending the last 18 months in the space building these things for actual clients, I can tell you the pattern is painfully obvious. The game changing agents aren't the complex ones. They're basically glorified scripts with an LLM brain attached.
The agents that clients happily pay five figures for are the ones that do one boring thing perfectly:
1
5
12:22
Post Summary:
Most developers waste time chasing complex, "god-like" AI agents when simple ones are more valuable. Successful agents are

OUTPUT

TELEGRAM



OUTPUT

GOOGLE SHEETS:

	Date	Post title	subreddit	Thread summary
3	2025-10-31	Roadmap to learning/understanding agentic AI (newbie here)	AI_Agents	Post Summary: A self-proclaimed newbie to agentic AI, familiar with Python and basic ML, is overwhelmed by the multitude of learning resources. They are seeking a clear, structured roadmap to understand agentic AI. The user asks experienced individuals how they would approach learning the topic from scratch today. Comments Summary: The Reddit comments highlight the confusing nature of learning about agentic AI due to the field's rapid evolution and the absence of a universally accepted approach. Users propose two primary learning paths, with a strong preference for hands-on, project-based experiences over abstract study. The importance of practical problem-solving is emphasized, particularly around orchestration and decision logic rather than the underlying machine learning techniques. To facilitate this, building three specific projects is recommended: a CLI chat interface, a Retrieval-Augmented Generation (RAG) system, and a tool-using agent. Establishing an evaluation harness from the outset is crucial, with tools suggested for tracing errors, and the advice encourages shipping, measuring, and optimizing only when necessary. Overall, a structured roadmap is outlined for individuals with some Python background, emphasizing foundational learning, engagement in hands-on projects, and community interaction to remain informed and supported. This message was sent automatically with n8n

FUTURE SCOPE

- Smart Topic-Based Reddit Summarization: Users can send a topic to the bot, which will fetch top Reddit threads, summarize them, and send concise insights via Telegram.
- Extend the workflow to fetch top posts from Twitter (X), Hacker News, or YouTube for broader topic insights.
- Daily Automation: Schedule the workflow to run daily or weekly for trend tracking or research automation.

CONCLUSION

This workflow seamlessly connects Reddit, Google Sheets, and Telegram to automate the process of fetching, summarizing, and sharing Reddit discussions. It not only saves time but also transforms how information is gathered and delivered. With future enhancements like topic-based summarization, it can evolve into a powerful tool for quick research, content discovery, and real-time insights—all within a single automated ecosystem.

THANK YOU