**Fetch Dynamic Prompts from GitHub and**

Auto-Populate n8n Expressions in Prompt

What does this do?

* **Starts with a Manual Trigger:** When you click “Test workflow,” the process kicks off.
* **Sets Up Your Variables:** It first loads preset values like your GitHub account info, repository name, file path, prompt file name, and some custom variables (like company, product, features, etc.) from a dedicated node.
* **Fetches a Prompt from GitHub:** The workflow then connects to GitHub and retrieves a specific prompt file (e.g., a Markdown file) based on the values you provided.
* **Extracts the Prompt Text:** Once the file is downloaded, it extracts the plain text from it.
* **Checks for Missing Variables:** Before proceeding, it scans the prompt text to see if there are any placeholders (like {{ company }}) that aren’t covered by your preset variables. If any are missing, the workflow stops and raises an error.
* **Replaces Placeholders Dynamically:** If all required variables are present, it replaces the placeholders in the prompt with the actual values from your variables.
* **Sends the Completed Prompt to an AI Agent:** The finalized prompt, now with all the proper details filled in, is passed to an AI agent to process.
* **Outputs the AI Response:** Finally, the result from the AI agent is captured and set as the output, ready for you to use in your n8n expressions.