**Basic Automatic Gmail Email Labelling**

with OpenAI and Gmail API

What does this do?

* **Monitors Your Gmail:**  
  The workflow regularly polls your Gmail inbox (every 5 minutes) to detect new incoming emails.
* **Processes Incoming Emails:**  
  When a new email arrives, it triggers a series of actions. It reads the email content and retrieves its details using Gmail tools.
* **Smart Labeling with AI:**  
  An AI agent (powered by OpenAI Chat) analyzes the email—examining its subject, sender, content, and keywords—to determine the most appropriate Gmail label.
  + It compares the email against existing labels.
  + If no matching label is found, it can create a new one (as a sublabel if possible) that fits into your existing structure.
* **Label Assignment:**  
  Once the AI decides on a label, it assigns that label to the email (and even removes less important inbox labels when needed) to keep your inbox organized.
* **Memory Buffer:**  
  A window buffer memory helps maintain context during the processing, ensuring the AI has the necessary background to make consistent labeling decisions.