**Extract personal data with self-hosted LLM**

Mistral NeMo

What does this do?

* **Listens for Chat Input:**  
  It starts when a chat message is received, triggering the workflow to process a user’s request.
* **Extracts Personal Data Using a Self-Hosted LLM:**  
  The workflow leverages a self-hosted Mistral NeMo model (accessed via an Ollama Chat Model node) to analyze the incoming message. The model is instructed (via a detailed system prompt) to extract structured personal information such as name, address, email, GitHub, LinkedIn, employment history, education, projects, volunteering, and technical skills.
* **Auto-Fixes Inconsistent Outputs:**  
  If the AI’s response doesn’t meet the defined JSON schema constraints, an Auto-fixing Output Parser re-prompts the model to correct the output, ensuring accuracy and consistency.
* **Formats the Data into a Structured JSON Object:**  
  A Structured Output Parser checks that the output adheres to a preset JSON schema. This schema organizes the extracted details into neatly defined sections (like personal info, employment history, education, etc.).
* **Prepares the Final Output:**  
  The final, structured JSON data is then extracted and made available for further processing or integration with other systems.