**Part 4: Reflection & Workflow Diagram (10 points)**

**✍️ Reflection.**

**What was the most challenging part of the workflow? Why?**  
The most challenging part of the AI workflow was the **deployment stage**. While building and training the model was straightforward, integrating it into a usable application through a Flask API introduced new challenges. It required configuring endpoints, handling input and output formats, managing dependencies, and testing the server locally. Additionally, ensuring the model responds correctly and consistently under different conditions was time-consuming and required several trials.

**How would you improve your approach with more time/resources?**  
With more time and resources, I would:

* Use **Docker** to containerize the application for easier deployment
* Add a **user interface** for non-technical users
* Implement **logging and monitoring** for real-time feedback
* Integrate with cloud services (e.g., AWS, GCP) for scalability and availability
* Conduct user testing and feedback collection to improve usability

**📊 Diagram : AI Development Workflow**

Below is a flowchart representing the AI development workflow, based on the **CRISP-DM framework**

