

Part 4: Reflection & Workflow Diagram

Reflection (5 points):

What was the most challenging part of the workflow? Why?

The most difficult to handle was managing feature mismatches during deployment. The inconsistent dummy variables in training and incoming data resulted in prediction failures. It needed proper alignment on the features and additional logic on its parts to make the API robust.

What would you do to do it better with more time/ resources?

With additional time, we would:

- i. Sample a bigger and more proportionate dataset to improve generalization.
- ii. Introduce Model versioning and drift monitoring tools.
- iii. Include explanatory prediction tools, such as SHAP.

AI Development Workflow

