

INTERNSHIP ONBOARDING PROJECT

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Abstract:

This document describes exact flow of how I tackled this project.

Starting Up:

I have gone through the instructions for 2 times. I felt I need to understand and learn we things better to be able to do this project on my own. So, I have taken AI assistance and asked to list all skills I need to acquire to complete this project.

1. File handling.
2. Error handling.
3. JSON mastery. (Validating and cleaning up llm response)
4. Prompt construction.
5. Optimal retry strategy.
6. Cloud basics. (To validate llm responses)
7. Cost analysis logic.

File handling:

I have followed this [tut](#) and [article](#).

Error Handling:

In this project I have used try blocks for exceptions.

JSON handling:

Implemented a function upon llm call to ensure correct json format.

Prompt construction:

It is the key for the whole project, I have gone through few documents and medium articles to construct these prompts. And I have done trial and error method until I got a good output.

Retries:

Added retry logic for llm calls

After brushing basics I have written code then debugged it and re arranged code using ai assistant.

Challenges:

1. Hugging face functions which I could use, finding documents for this was time taking.
2. Re arranging code into meaning full file structure.