Fynd AI Intern – Take Home Assignment Report

Candidate: Hari Om
Role: AI Engineering Intern

Overview

This assignment was divided into two parts. The first part focuses on using large language models (LLMs) for rating prediction through prompt engineering. The second part is a small but complete AI-powered web system with a User Feedback Dashboard and an Admin Dashboard, both deployed online. The goal was not just to use an LLM, but to understand how prompt design, structure, and system behavior affect real outputs.

Task 1 – Rating Prediction Using Prompting

For this task, the Yelp Reviews dataset was used and around 200 reviews were sampled to keep experimentation fast and consistent. Three different prompt versions were designed and evaluated.

Prompt 1 (Simple Zero-Shot): A basic instruction asking the model to predict a rating from the review text. JSON formatting and consistency were not always reliable.

Prompt 2 (Structured Prompt): Added clear rules and a fixed JSON output format, which significantly improved output consistency.

Prompt 3 (Reasoning-Guided Prompt): Guided the model to internally reason about sentiment and intensity before assigning a rating, resulting in the most stable and accurate outputs.

Each prompt was evaluated on accuracy, JSON validity, and reliability. The reasoning-guided prompt performed best overall.

Task 2 – AI Feedback System with Two Dashboards

The second task was implemented as a web-based application using Streamlit. It consists of two dashboards designed for different users.

User Feedback Dashboard
This public-facing dashboard allows users to select a star rating, write a short review, and submit feedback. On submission, the system generates an AI response, summarizes the review, and suggests a recommended business action. All data is stored for later review.

Admin Dashboard
The admin dashboard displays all submitted ratings and reviews along with AI-generated summaries, AI-suggested recommended actions, and basic analytics such as total feedback count and average rating.

Dashboard URLs

User Dashboard: https://fynd-ai-intern-assignment-rox9waszj7wtw94redpy8y.streamlit.app/
Admin Dashboard: https://fynd-ai-intern-assignment-ksou8pge2qznujcromlkxp.streamlit.app/

Design Decisions

Streamlit was chosen for fast development and easy deployment. CSV-based storage was used for simplicity and transparency. LLMs were used for rating prediction, user-facing responses, review summarization, and recommended actions.

Conclusion

This assignment demonstrates practical prompt engineering, structured evaluation of LLM outputs, and the ability to design and deploy an AI-powered system with both User Feedback and Admin dashboards.