

LLM APPENDIX

Tool Used: ChatGPT (OpenAI)

Purpose: Brainstorming, architectural clarification, code scaffolding, and terminology understanding.

Note: All LLM-generated content was reviewed, validated, and adapted by the team before inclusion.

1. Purpose of LLM Assistance

During the development of Iteration 1, the team used an LLM to support:

- Clarifying project scope
- Designing simplified architecture
- Determining required/removed classes
- Preparing folder structures
- Drafting boilerplate classes
- Understanding YAML/JSON requirements
- Coordinating team responsibilities

2. Key Prompts Used (Examples)

- “Which classes are required for iteration 1?”
- “How to simplify pipeline without chunking?”
- “Generate project folder structure.”
- “Explain index.json purpose.”

3. LLM Output That Was Used (Reviewed & Modified)

The following LLM-generated elements were adapted by the team:

- Iteration 1 folder structure
- Boilerplate Java class templates
- paragraphs.json sample format
- Basic pipeline explanation
- Team responsibility distribution

4. Limitations and Manual Adjustments

- Removed chunking/index logic after instructor updates
- Simplified retriever to substring matching
- Modified class diagrams and architecture manually
- Ensured all logic followed course requirements