



8th July, 2024 - Scatter Gather

Minutes of Meeting Date: July 8, 2024

Attendees: Aravind Narayanan, Prof. Javed Mostafa

1. Pipeline Definition for ChatGPT Integration

- **Ingestion Database:** How data is ingested and stored in the database.
- **Data Display:** Current methods of displaying ingested data.
- **Enhancement with ChatGPT:** Injecting ChatGPT to improve various stages.

2. Areas for Improvement

- **UI Interrogation:** Enhancing user interface for better interaction and interrogation.
- **Reality Comparison:** Ensuring that visual representation (size for importance, distance for similarity) accurately reflects reality.
- **Reinforcement on UI:** Emphasizing the information on the UI to make it more intuitive.

3. Improving Data Display

- **Process Breakdown:**
 - **Ingestion:** Initial data collection.
 - **Indexing:** Organizing the data for efficient retrieval.
 - **Search:**
 - Query search enrichment.

- Matching with indexed data.
- Enriching the matching process.

4. Step-by-Step Improvement Approach

- Focus on representational or presentational enrichment without altering the content initially.
- Utilize ChatGPT's existing capabilities for abstract generation and summarization.
- Address potential privacy concerns with paper ingestion by working with publishers and adhering to conditions.

5. Leveraging Additional Information Sources

- **Supplementing AI:** Using more comprehensive data from publishers through proper channels rather than direct scraping.

6. Next-Level Interaction

- **Moving Beyond Mouse and Keyboard:**
 - Exploring speech interaction and triangulation of visual focus.
 - Aim to achieve human-like interaction where the system understands and reacts based on user focus and speech.

Action Items:

- Identify key areas in the ingestion and indexing process for ChatGPT enhancement.
- Plan and execute UI improvements based on the defined principles.