



University Sentiment Analysis



Kanav Bengani, Zachary Rippas



Use Case

How do people at Northeastern feel about Snell?

According to Reddit, they hate it.



Live Demo

System Architecture



Step 1: Determine Subreddit Name

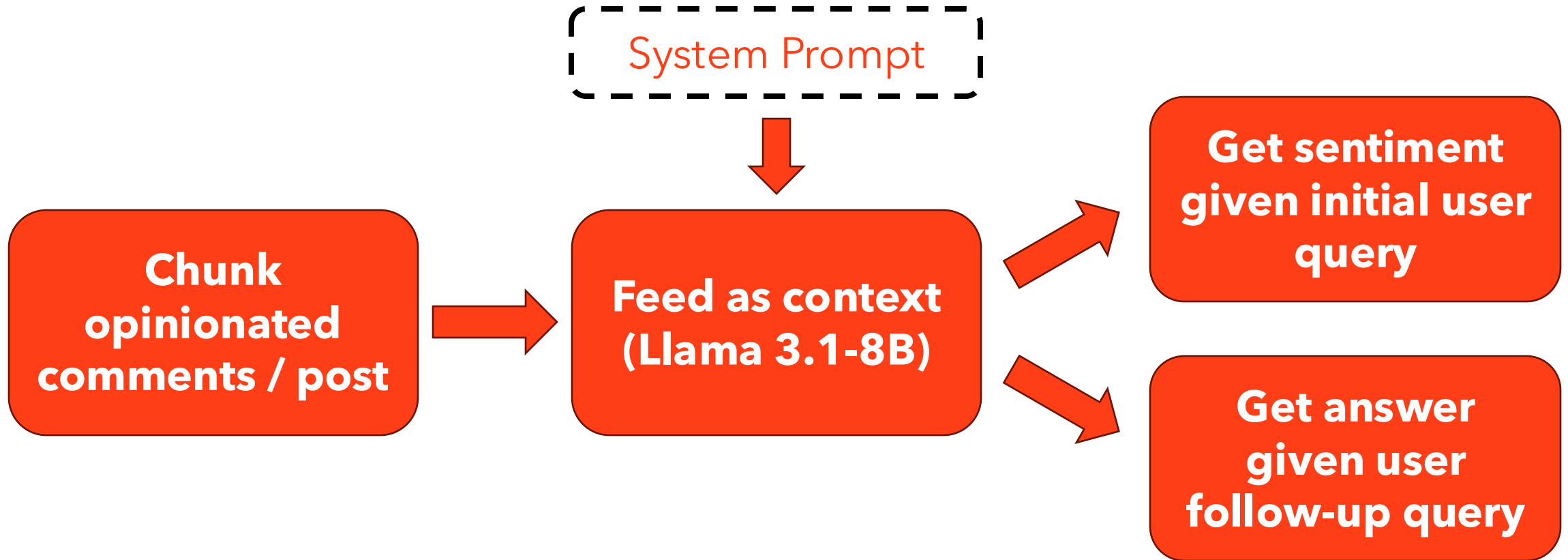
- Prompting untuned Llama (3.1-8B) for subreddit name from query **(FAIL)**
- Prompting fine-tuned Llama (3.2-1B) for subreddit name from query **(FAIL)**
- Prompting fine-tuned Llama (3.2-1B) for university name from query and mapping to subreddit name **(FAIL)**
- Prompting untuned Llama (3.1-8B) for university name from query and mapping to subreddit name **(SUCCESS)**




Step 2: Retrieve Relevant Content

1. Query pre-processing
2. Reddit search by relevance
3. Get top post
4. Filter comments using fine-tuned BERT classifier
 - a) Opinionated vs. Factual

Step 3: Derive Sentiment





Q & A