Outlook

Meeting minutes - Kickstart<>JBIET Mentor Hours | AI Teacher

From MeetGeek <app@meetgeek.ai>
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MeetGeek

Hey there, Pragnya Pramita Mishra shared the meeting notes with you

Saturday 19 April 2025 · 13:29 - 14:17 UTC

Kickstart<>JBIET Mentor Hours | AI Teacher

Pragnya Pramita Mishra Yash Tyagi Ritesh

Meeting Summary

View Meeting

AI summaries may contain mistakes. Consider checking important information.

The meeting focused on the integration of the OpenAI API, where challenges with asynchronous requests in Django were discussed, leading to a decision to use Node.js and FastAPI as a solution. Yash Tyagi provided a progress update on his project involving Django and Python, highlighting challenges in execution timelines. The team emphasized the importance of document indexing and the need for a structured approach to improve efficiency, particularly in handling large PDFs. Key decisions included implementing a two-phase data preparation process and converting queries into embeddings for better semantic comparison. Ritesh proposed a clear project timeline aiming for a minimum viable product within two months, stressing the need for proactive risk management to avoid delays that could benefit competitors. The meeting concluded with encouragement for immediate communication regarding queries and a strategy for an initial limited launch to gather user feedback.

Next Steps

- Ritesh suggested providing sample queries for investors and ensuring that the answers are cached for quick retrieval, outlining the next steps for Yash's project. **(06:42)**
- Ritesh detailed the next steps in the document processing workflow, which includes loading each document, chunking it into smaller parts, generating embeddings for each chunk, and then combining these embeddings for further analysis. This structured approach ensures that all documents are processed systematically. **(20:52)**
- The next steps involve implementing the two-step process of converting queries into embeddings and generating context from previous history. This will ensure that the data returned to users is relevant and contextualized based on their query history. **(24:52)**

- Ritesh outlined the need to implement a new process for indexing documents before queries are made. This involves calling the data from the appropriate folder and ensuring that the right file parts are accessed to facilitate efficient search results. **(28:38)**
- Ritesh suggested that once Yash implements the conversion of queries into embeddings, he will not need to perform streaming, indicating a streamlined process moving forward. **(34:52)**
- Ritesh outlined the next steps, suggesting that the team should implement one feature per week and allocate two weeks for testing and deployment. This structured approach aims to have a functional system ready for investors and users within two months. **(42:01)**
- Ritesh outlined the next steps for the team, emphasizing the need for a project plan and architecture documentation. He suggested that team members should spend a short amount of time to fill out the necessary details and keep him updated on their progress via WhatsApp. **(43:59)**
- Team members are encouraged to ask questions as they arise instead of waiting for the next meeting, highlighting the importance of immediate communication for project progress. **(45:48)**
- Ritesh emphasized the importance of keeping an eye on WhatsApp for any queries that need to be addressed within a day, indicating a clear next step for team members to follow up on pending questions. **(47:57)**

AI Insights

View Details

The meeting demonstrated a moderate level of alignment and clarity of progress among team members, with both KPIs reflecting a consensus on the need for structured planning despite lacking detailed task overviews. Engagement levels varied, with multiple contributions from participants indicating active participation, particularly from Ritesh and Yash, who engaged in discussions about technical challenges and project planning. Issue escalation was noted, with several challenges raised and addressed, showcasing the team's responsiveness to potential problems. Overall, the meeting was productive, fostering collaboration and proactive problem-solving among team members.

Topics & Highlights

View Meeting

1. Integration of OpenAI API **(02:39)**

• Yash Tyagi highlighted the challenge of integrating the streaming OpenAI API due to its support for asynchronous requests, which is incompatible with Django's synchronous nature. **(02:54)**

• Ritesh advised using FastAPI along with Node.js to overcome the integration issues, indicating a shift in the technology stack to facilitate the project. **(03:09)**

2. Project Implementation Discussion **(03:49)**

• Yash Tyagi was asked to show the progress made on the project since the last meeting, indicating that he had been working on implementing features related to Django and Python. **(03:59)**

• Yash mentioned that the project was taking time to execute, indicating potential challenges in the implementation process that could affect the timeline. **(05:07)**

• Ritesh suggested providing sample queries for investors and ensuring that the answers are cached for quick retrieval, outlining the next steps for Yash's project. **(06:42)**

3. PDF Loading and Data Retrieval Process (09:12)

• Yash Tyagi mentions that loading the PDF on request poses a challenge, as it should ideally be pre-loaded and vectorized in the VectorDB to streamline the query response process. **(11:27)**

4. Document Indexing Process (12:11)

• Ritesh pointed out that the current approach of creating an index at runtime is a significant mistake, which could lead to inefficiencies in the document handling process. This highlights a challenge in the team's workflow that needs to be addressed to improve project outcomes. **(14:19)**

5. Document Indexing and Chunking Process (14:34)

• The team decided to implement a structured approach to document indexing, which includes chunking documents and uploading them into the index. This decision is crucial for ensuring that the indexing process is efficient and effective, as discussed by Ritesh. **(14:34)**

6. Indexing Process Overview (16:45)

• During the discussion, Ritesh noted that there might be confusion regarding the execution of queries and the indexing process, indicating a potential challenge in understanding the workflow. This confusion could impact the team's efficiency in handling queries and executing runs effectively. **(18:57)**

7. Document Processing and Embedding Generation (20:37)

• Ritesh detailed the next steps in the document processing workflow, which includes loading each document, chunking it into smaller parts, generating embeddings for each chunk, and then combining these embeddings for further analysis. This structured approach ensures that all documents are processed systematically. **(20:52)**

8. Query Processing and Embedding (22:52)

• Ritesh emphasized the need to convert queries into embeddings and combine them with text for effective data retrieval. This decision is crucial for ensuring that the queries are processed correctly before sending them to Fias for data retrieval. **(23:49)**

• The next steps involve implementing the two-step process of converting queries into embeddings and generating context from previous history. This will ensure that the data returned to users is relevant and contextualized based on their query history. **(24:52)**

9. Document Indexing and Search Optimization (27:06)

• The team faces challenges with handling large documents, such as PDFs that can be hundreds of pages long, which complicates the indexing and retrieval process. Ritesh pointed out that loading such large files can significantly impact performance, making it difficult to provide timely responses to user queries. **(27:54)**

• Ritesh outlined the need to implement a new process for indexing documents before queries are made. This involves calling the data from the appropriate folder and ensuring that the right file parts are accessed to facilitate efficient search results. **(28:38)**

10. Document Loading Process (29:01)

• The team decided to run the document loading process at design time before going live, ensuring that all document formats are properly handled and loaded into the application. **(31:12)**

11. Data Preparation and ETL Process (31:23)

• The team decided that data preparation must occur in two distinct phases: design time and run time. This decision aims to streamline the process and enhance efficiency when the application goes live. **(33:35)**

12. Query Embedding and Semantic Comparison (33:42)

• Yash Tyagi pointed out a missing element in his current approach, specifically the lack of converting queries

into embeddings, which is crucial for semantic comparisons. (33:57)

• Ritesh advised Yash to focus on finding the semantic meaning of queries and comparing them with the FIAS data, indicating a shift in approach that could enhance the effectiveness of their work. (34:13)

• Ritesh suggested that once Yash implements the conversion of queries into embeddings, he will not need to perform streaming, indicating a streamlined process moving forward. (34:52)

13. Discussion on Startup Registration and Technology Implementation (36:33)

• The team decided to implement a data retrieval process for student information using specific tools, with Ritesh suggesting that Yash can refer to a repository for inspiration on how to proceed. (39:52)

14. Project Planning and Milestones (40:19)

• The team is facing challenges related to planning and resource allocation, as indicated by the discussion on the need for additional team members to meet project deadlines. Ritesh pointed out that without a clear plan, the project could face delays, which could allow competitors to gain an advantage. (40:19)

• A decision was made to establish a clear timeline for the project, with Ritesh proposing to go live by the end of May. This decision is aimed at ensuring that the team remains focused and accountable for their progress. (40:51)

• The discussion included a risk management perspective, where Ritesh warned that delays in project execution could result in competitors capturing the market. He stressed the importance of having a proactive strategy to mitigate this risk by adhering to the proposed timeline. (41:24)

• Ritesh outlined the next steps, suggesting that the team should implement one feature per week and allocate two weeks for testing and deployment. This structured approach aims to have a functional system ready for investors and users within two months. (42:01)

15. Project Implementation Strategy (43:02)

• Ritesh outlined the next steps for the team, emphasizing the need for a project plan and architecture documentation. He suggested that team members should spend a short amount of time to fill out the necessary details and keep him updated on their progress via WhatsApp. (43:59)

16. Encouragement for Immediate Queries (45:48)

• Team members are encouraged to ask questions as they arise instead of waiting for the next meeting, highlighting the importance of immediate communication for project progress. (45:48)

17. Launch Strategy Discussion (46:45)

• It was decided to launch the project for a small group of 10-20 people initially to gather feedback and assess its effectiveness before a wider release. (46:45)

18. Wrap-Up and Next Steps (47:57)

• Ritesh emphasized the importance of keeping an eye on WhatsApp for any queries that need to be addressed within a day, indicating a clear next step for team members to follow up on pending questions. (47:57)