Mastodon: Tutor AI

Deep Learning Project : Requirements Presentation

| **Must-have requirements** | **Nice-to-have requirements** |
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| 1. Context driven Answers    1. Response generated will be strictly based on course material provided by professors. 2. Professor Control    1. Professors will update , upload and manage the contents. 3. Admin Interface 4. Retrieval-Augmented Generation    1. For retrieving specific slides or content related to the queries.    2. Flexible to handle real time updates, i.e new content should be available and accessible immediately. 5. Response time    1. Ensuring low latency for user queries 6. Data Privacy and Security    1. Role based access | 1. Search History Accessibility    1. Students can access their own history to see what content was fetched for particular query.(or what they have learnt for particular topic) 2. Course Progress Tracking    1. indicates how much you have prepared for exam 3. Customized Quizzes    1. designed for particular topics learnt. 4. Student Feedback Loop    1. Feedback from students to improve the relevance of content fetched for particular query. 5. Topic Recommender    1. Personalized suggestion regarding related topics 6. Caching frequently accessed queries |

Functional

Non-functional