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Document Management and Processing, Writing and Content Creation

Knowledge Base-Driven AI Chatbot with LLM Integration

Case/ System Portfolio

AI Solution Name Knowledge Base-Driven AI Chatbot with LLM Integration

AI Solution Description

- Objective is to develop an internal knowledge base powered by Retrieval-Augmented Generation (RAG) and Large Language Model (LLM) to support the drafting of reports, briefs, and speeches.
- The system will automate the collection, analysis, and summarisation of economic data, enhancing both the efficiency and quality of content creation.
- Core functions include monitoring online economic indicators to identify key movements and trends, extracting insights from reliable news sources, and summarising publications from international organisations and research institutions.
- All extracted information will be stored in a central knowledge base repository for easy reference and reuse. The knowledge base will be accessible via a user-friendly portal integrated with an AI-powered chatbot. Users will engage with the chatbot through predefined user prompt templates, while system prompt templates will ensure consistent, accurate, and high-quality content outputs.

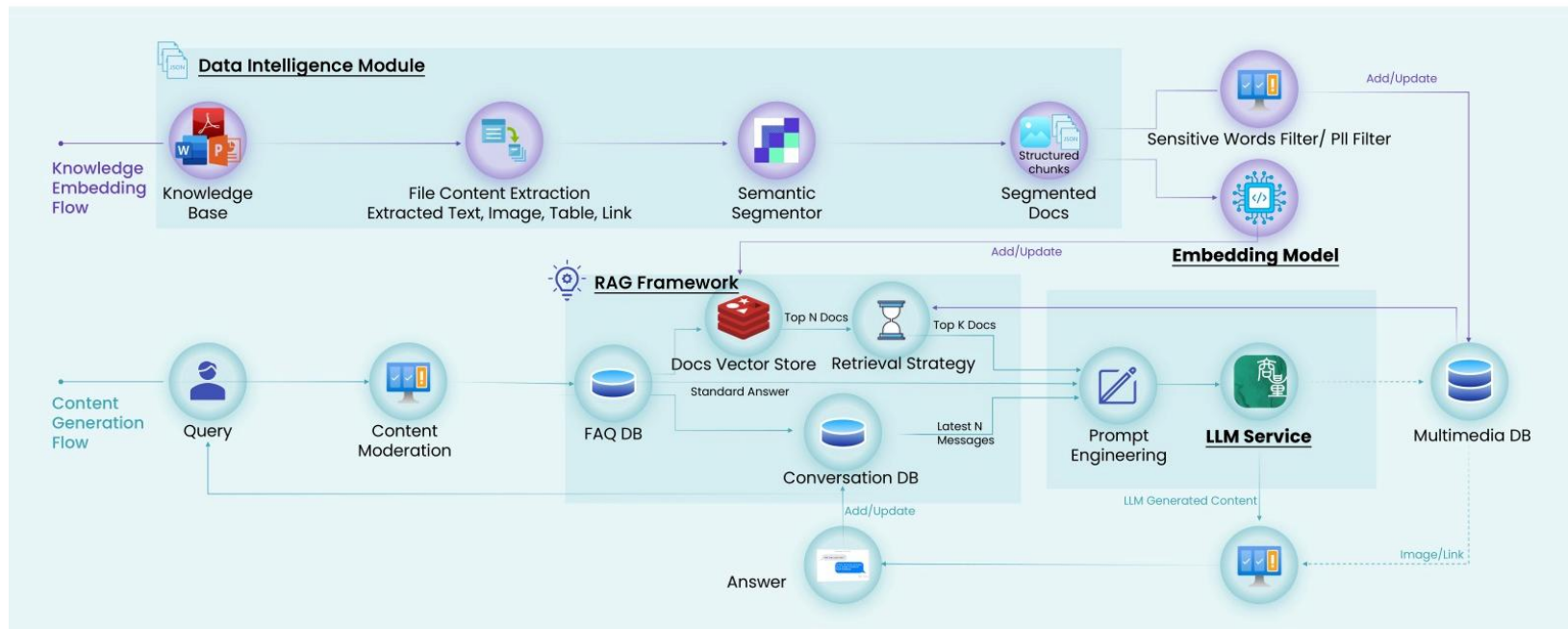
Infrastructure Diagram/ Prototype



Use Case

- 1 Streamline report creation by summarizing key data and documents, allowing quick, accurate briefings via an AI-powered chatbot.
- 2 Generate timely public advisories and educational materials from current trends and official updates using AI-driven prompts.
- 3 Extract insights from operational and external data to support informed strategic decisions and efficient resource management.
- 4 Support policy drafting by consolidating laws, best practices, and research into clear, consistent documents.
- 5 Improve training by creating tailored learning content from summarised information, enhancing staff knowledge and skills.

Infrastructure Diagram





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Thank you

