AI-VERSE

Team Name : INNOGEN AI

Team Leader Name : Srinithi K

Track : Generative AI

Brief about the Idea

We present the RAG-powered Investment Analyst that will ingest startup funding news, investor portfolios, and market reports from articles and PDFs, transform them into structured knowledge, and provide accurate, citation-supported insights to founders and venture capitalists. This approach helps reduce manual research time and improves decision-making via the use of reliable AI.

How is it different from existing ideas?

- Existing platforms rely on keyword search or static databases
- Our solution uses semantic understanding and Generative AI
- Answers are grounded in real documents with citations

How does it solve the problem?

- Converts scattered data into a searchable knowledge base
- Delivers quick, accurate answers instead of manual research
- Prevents hallucination using RAG

USP (Unique Selling Proposition)

Fully open-source, hallucination-free AI investment insights with citation-backed answers

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List of features offered by our solution

- Startup–Investor matchmaking
- Natural language question answering
- Citation-backed responses (source transparency)
- Semantic search over news, PDFs, and reports
- Investor portfolio analysis
- Market trend summarization
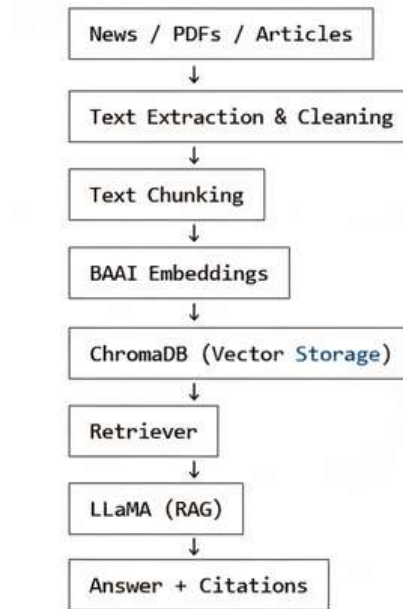- Fully open-source and cost-effective

Process flow

1. Collect data from news articles and PDFs
2. Extract and clean raw text
3. Split text into small chunks
4. Generate embeddings using BAAI
5. Store embeddings in ChromaDB
6. User submits a query
7. Relevant documents are retrieved
8. LLaMA generates the final answer with sources

AI Technologies used in the solution

- Embeddings: BAAI/bge-base-en-v1.5
- Vector Database: ChromaDB
- Large Language Model: LLaMA 4
- Framework: LangChain
- Libraries: BeautifulSoup, pdfplumber

Architecture diagram of the proposed solution

Thank You!

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