DocuMentor - Ai

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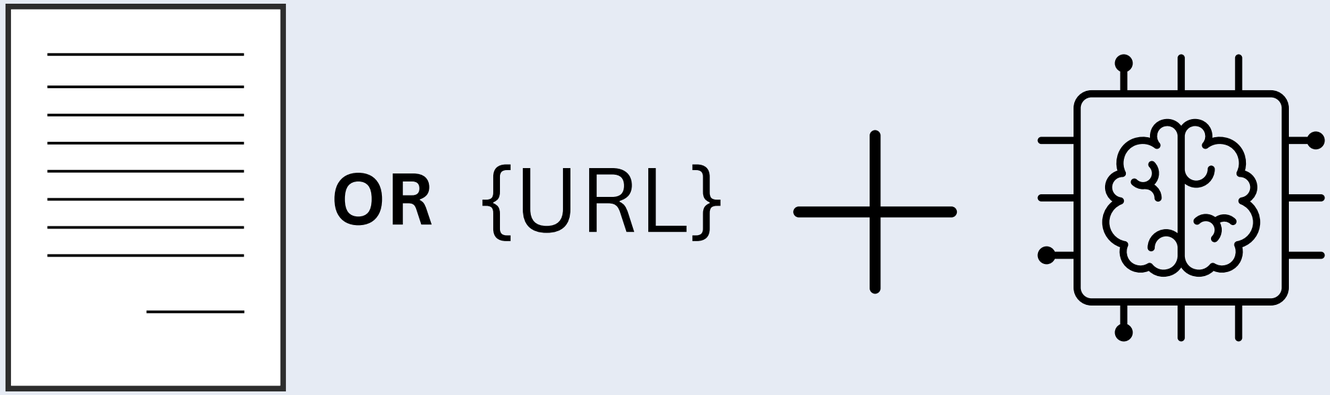
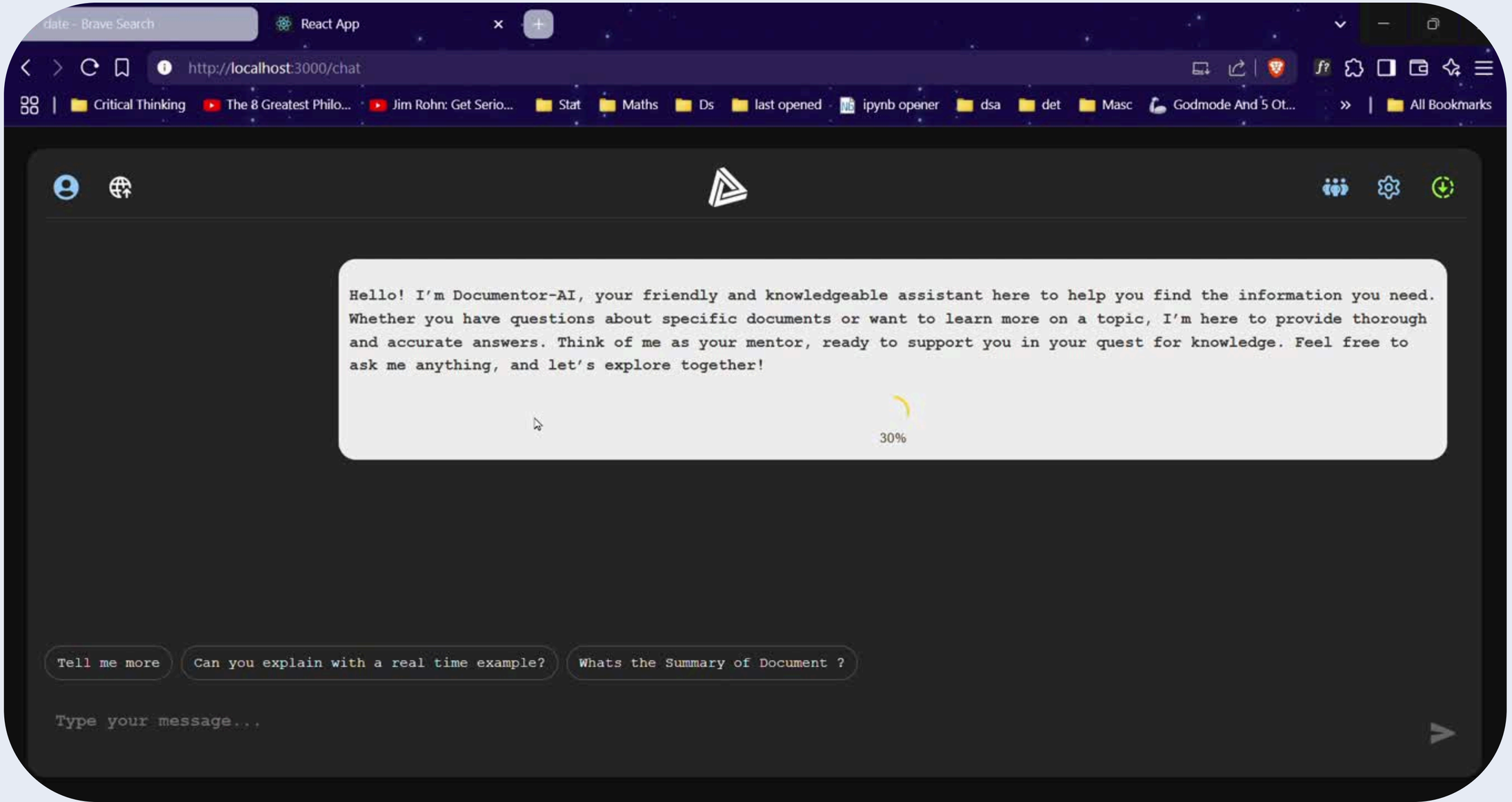
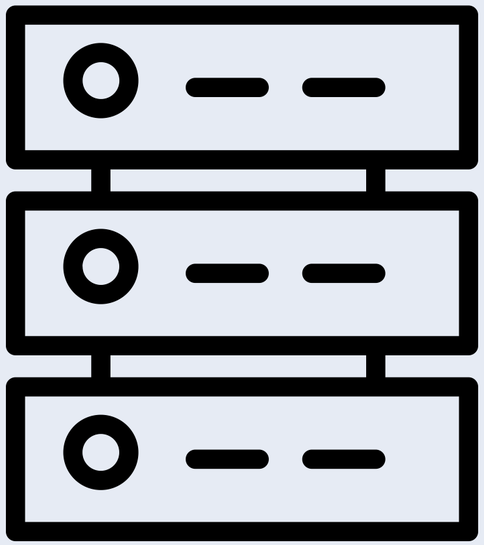


Upload your docs, drop your links, and let our AI do the thinking – answers straight from your content, no mystery involved!

DocuMentor - Ai



Mechanics - Init



Server Starts

Code checks
Local vectorDB

1

Used to
answer Q’s

0

Creates empty
VectorDB

Mechanics

Pdf
Doc/Docx
txt

OR

www.url.com

Text

Extraction

Formatted
text file

OR

Formatted
URL
text file

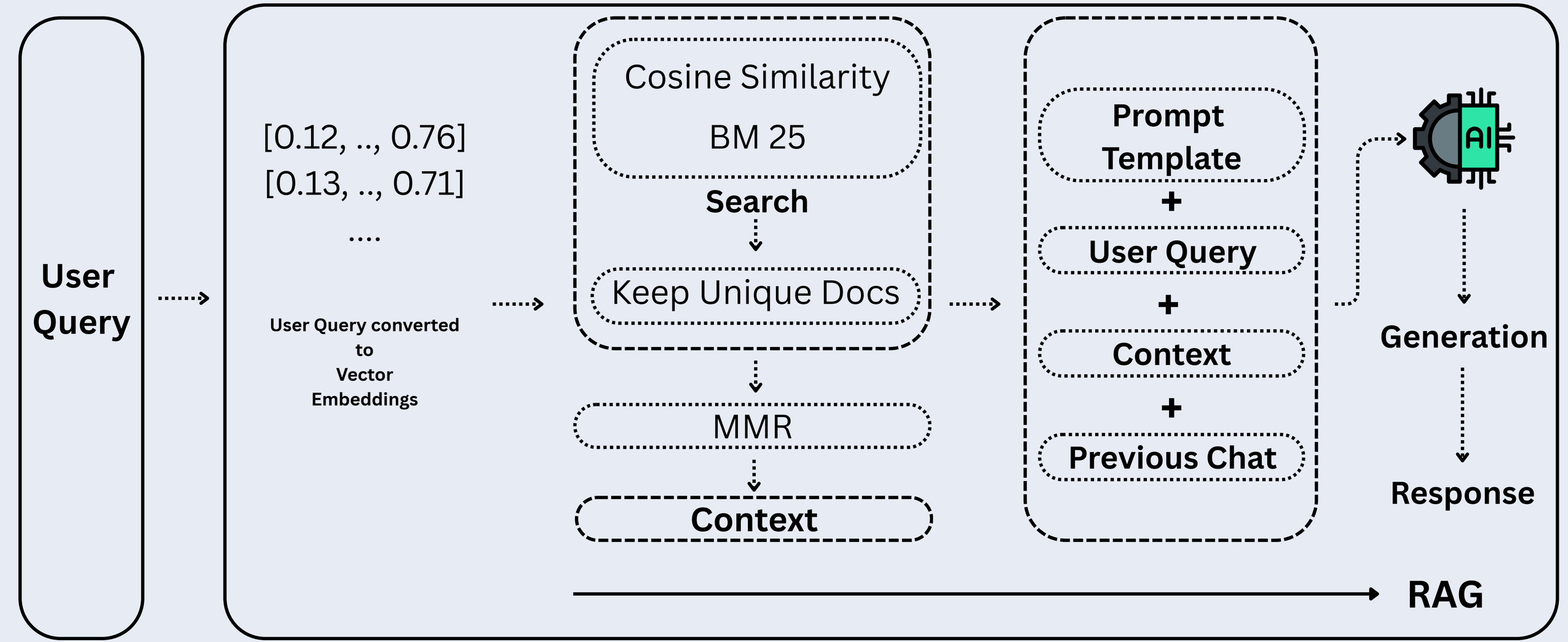
Transformed

[0.12, -0.55, ..., 0.76]
[0.13, -0.15, ..., 0.71]
....

Embeddings'

Vector db

Mechanics


User Query
[0.12, .., 0.76]
[0.13, .., 0.71]
....
User Query converted to Vector Embeddings
Cosine Similarity
BM 25
Search
Keep Unique Docs
MMR
Context
Prompt Template
+
User Query
+
Context
+
Previous Chat
AI
Generation
Response
RAG
Frontend
Backend

Mechanics

Existed VecDb

Or

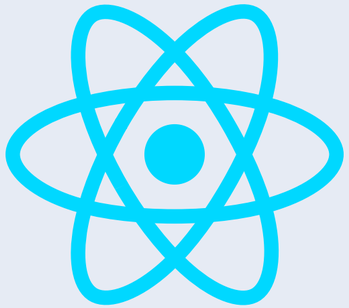
Empty VecDb

User Uploads

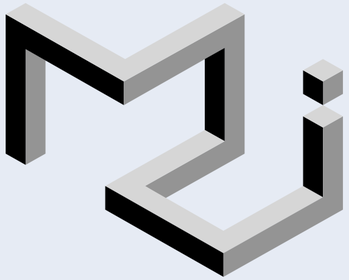
uploaded docs
to new embeddings

New Embedds
are added
to
current VecDB

Workshop



React



MaterialUi

Frontend

Langchain

Python

Firebase

pdfplumber

OpenAi

Flask

bs4

docx

Backend

Data Validation

Packages	Metrics	Checkings
DeepEval	**FaithFulness**	Quality RAG pipeline's generator
		To estimate if retrieved contexts is relevant or not
Ragas	FaithFulness Context Precision Response Relevancy	how relevant a response is to the user input.

Bench-Mark

Pages		Response Time	Model Accuracy
501 - 1k	**<=1 Min**	9 Secs	Faithfulness **70 - 73 %**
1k - 1.5k	**2 - 3 Min**		
2k+	10+ Min	**1.1 Secs**	

With Proof of Video Samples

Measurement is done with logs

All the Values are Averages

Other Metrics are yet to be used

Acknowledgements

God

Prof . Venkat Anga

Prof . Jeff Maxwell

Prof . Avanti

idea

Code

Presentation

by

Vasanth,

Any Questions

Thank You