



Yogesh Haribhau Kulkarni • You

AI Coach (Helping organizations in their AI journeys) | PhD (...
now • 🌐

Wish to share an update on my open-source project, "Ask
Yogasutra", a chatbot aimed at answering questions on Patanjali's
Yogasutra.

Thanks to Prashanth Sreenivasan for volunteering and completing
the first phase, which includes an interactive visualization of the
Sutra graph.

Link to the demo video in his post below.

The demo uses graph data from Giacomo-De-Luca's GitHub repo
YogaSutraTrees, and you can access the source code of the app
at GitHub yogeshhk/Sarvadnya/tree/master/src/ask_yogasutra.
Feel free to try it out and share your suggestions.

#OpenSource #YogaSutra #GraphVisualization #AI #mvpbuzz
#gde

#AlinYoga #Patanjali #RAG #Streamlit Sreenivasan Rajesh
Venkitachalam Google Developer Experts #iks #sanskrit #yoga #ai
#ml #llm #nlp #streamlit #graphs Streamlit Adrien Treuille
Bhandarkar Oriental Research Institute #patanjali
#GraphVisualization #StreamlitDevelopment #Python #NetworkX
#RDF #InteractiveApps



Prashanth Sreenivasan • 1st

BITS Pilani '22

15h • Edited • 🌐

Ask YogaSutra, a collaboration with Yogesh Haribhau Kulkarni,
is leveraging Streamlit's agraph to make Patanjali's Yoga Sutras

more accessible and interactive. We're working with a curated database of Yoga Sutras compiled by Giacomo De Luca.

I'm thrilled to share that we've just completed the first phase of the project, the interactive graph visualization.

Tech Stack Highlights:

1. Backend & API: Python with Streamlit for rapid prototyping, NetworkX for graph data structures, RDFLib for RDF data management.
2. Frontend & Visualization: Streamlit UI paired with Streamlit-AgGraph for interactive graph visualization
4. Graph Operations: SPARQL for querying RDF data, and custom methods for real-time node and edge management.

The focus has been on building a user-friendly interface that encourages exploration of the interconnected concepts in the Yoga Sutras. In the next phase, we will implement graph-based Retrieval-Augmented Generation (RAG) to enhance the app's question-answering capabilities.

<https://lnkd.in/gMfJjdbT>

#GraphVisualization #Streamlit #AI #NetworkX #RDF



Ask Yogasutra Phase 1

[youtube.com](https://www.youtube.com)