NEXT MOVE

Personalized Chess Training Assistant

OUR TEAM

- **Arivoli Tirouvingadame**
  - FIDE Chess Rating: 1721

- **Jayaradha Natarajan**

- **Sadhana Arivoli**
  - FIDE Chess Rating: 1589

- **Aradhana Arivoli**
  - FIDE Chess Rating: 1540

BACKGROUND INFO

- Leading Chess Grand Masters prepare for their Chess matches by working with many other top Chess Grand Masters
- A team collects and studies all the past games of each opponent from the Chess database
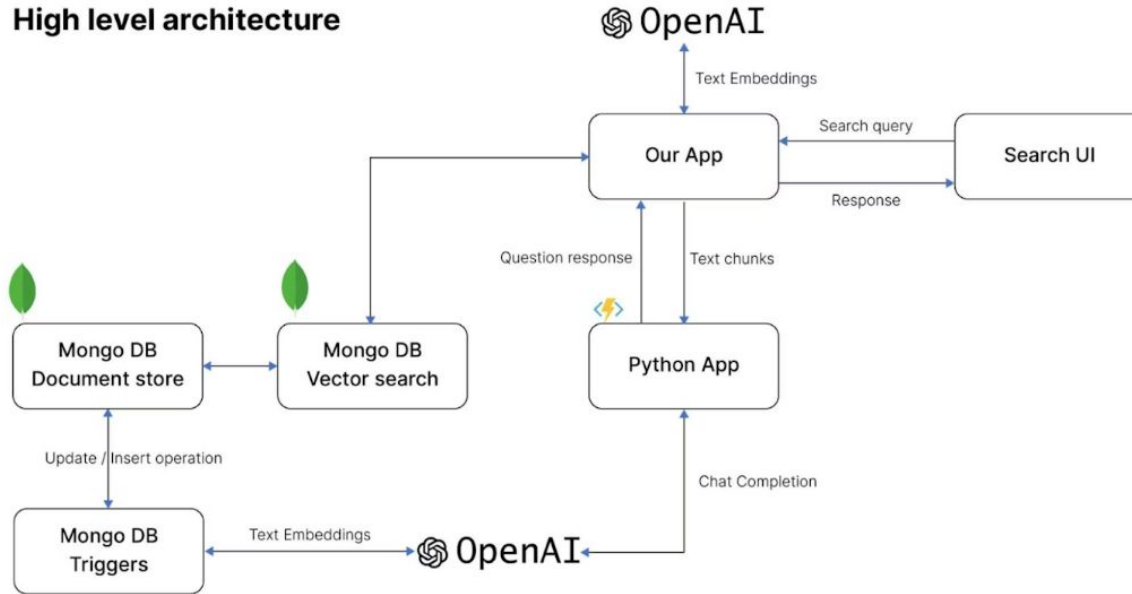- Match preparation requires advanced opponent-specific personalized training plans

WHAT ARE WE BUILDING?

- We are building a Personalized Chess Training Assistant
- For opponent-specific preparation, their past games can be uploaded to this Assistant
- Next moves for each board position can be predicted based on each player's style and tendencies
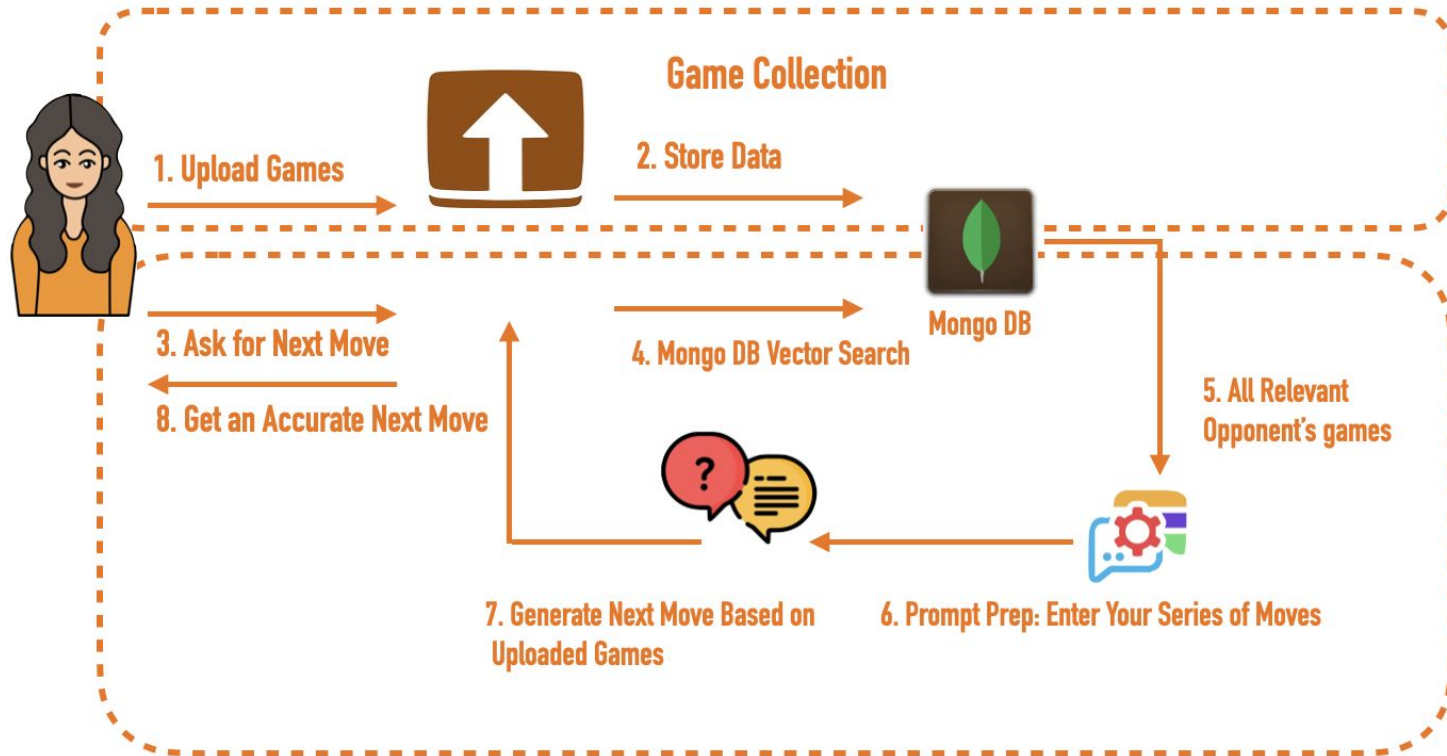
ARCHITECTURE

Tech stack:
- Python
- MongoDB Atlas Vector Search
- Open AI
- LangChain
- LLM
- Streamlit

High level architecture

FLOW

Game Collection

1. Upload Games

2. Store Data

Mongo DB

3. Ask for Next Move

4. Mongo DB Vector Search

8. Get an Accurate Next Move

5. All Relevant Opponent's games

7. Generate Next Move Based on Uploaded Games

6. Prompt Prep: Enter Your Series of Moves

QUESTION & ANSWER

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