**Project Name:** "Search Your Data"

**How to run the project:**

* Download the "Search Your Data" to your local machine and create a .env file.
* In the .env file add OPENAI\_API\_KEY=” Paste your OpenAI API key here”.
* Open terminal and type in “streamlit run app.py”.
* App will run in a new browser window in your default browser.
* Upload your PDF files in the side bar and click on process.
* Once processed, you can go ahead and ask any queries to get insights from your data from LLM.

**Project Description:**

"Search Your Data" is an innovative generative AI project designed to empower companies with a secure and efficient solution for querying large volumes of confidential information stored within multiple PDF documents. Powered by OpenAI in the backend, this project enables users to train a Language Learning Model (LLM) with their specific dataset, ensuring a tailored and accurate response to queries.

**Key Features:**

* **Tailored Training Process:** Users can upload their personal PDF documents to train the model, ensuring that it is well-versed in the specific content and context of their data.
* **Confidentiality Assurance:** Ideal for companies handling sensitive information, "Search Your Data" provides a secure environment for data processing, eliminating the risk of leakage or exposure to the public.
* **Efficient Query Resolution:** Once trained, the model becomes adept at swiftly providing precise solutions to user queries, significantly expediting the search process.
* **Advanced Data Handling:** The project employs sophisticated techniques to process PDFs, breaking them down into manageable word chunks and storing them in a vector table using FAISS, ensuring optimal efficiency in data retrieval.
* **Intuitive User Interface:** "Search Your Data" boasts a user-friendly UI developed with the Streamlit library, allowing for easy navigation and seamless interaction with the platform.

"Search Your Data" is a powerful tool tailored for organizations seeking a secure and efficient means of accessing their confidential data without compromising on privacy. By leveraging cutting-edge technology and robust data handling techniques, this project offers a strategic advantage in managing and extracting value from large volumes of sensitive information.