

DeepDive AI

Overview

DeepDive AI - PaperInsight is a web application designed to help users extract insights from AI research papers. Users can upload their PDF documents and ask questions about the content, receiving AI-generated responses based on the text extracted from the paper.

Getting Started

1. Accessing the Application

- Open your web browser and navigate to the DeepDive AI - PaperInsight application.

2. Page Configuration

- The application is configured for a wide layout, providing ample space for content display.

User Interface Components

Title and Description

- **Title:** DeepDive AI - PaperInsight
- **Description:** A brief introduction stating the purpose of the app: "Get insights from your AI research papers!"

Sidebar for User Inputs

- **API Key Input:**
 - Field: "Enter your Google Generative AI API Key:"
 - Type: Password (input is hidden for security)
- **File Upload:**
 - Field: "Upload your AI research paper (PDF format)"
 - Accepts: PDF files only

Main Content Area

Asking Questions

- **Prompt:** "Ask Questions About Your Paper"
- **User Query Input:**
 - Field: "Ask a question about the paper:"
- **Get Answer Button:**
 - Action: Click to generate a response based on the uploaded paper and user query.

Functionality

Uploading a PDF

- Click on the file uploader in the sidebar to select and upload your AI research paper in PDF format.
- Upon successful upload, a success message will appear: "Text extracted successfully! You can now ask questions about the paper."

Asking Questions

- Enter your question in the provided text input field.
- Click the "Get Answer" button to receive a response.

Generating Responses

- The application uses the provided Google Generative AI API key to generate answers.
- If the API key is valid, a loading spinner will indicate that the response is being generated.
- The response will be displayed under "Chatbot Response."

Error Handling

- If no PDF is uploaded, an info message will prompt the user to upload a file.
- If the API key is not entered, an error message will prompt the user to enter a valid API key.

Visual Customization

- The application supports both dark mode and light mode. The response display adapts based on the user's session state.

Conclusion

DeepDive AI - PaperInsight is a powerful tool for researchers and students looking to gain insights from AI research papers. By following the steps outlined in this manual, users can effectively utilize the application to enhance their understanding of complex topics.