🧠 HikmaMind

AI-Powered Research Assistant

HikmaMind is an intelligent research assistant that helps professionals, academics, and researchers understand complex content through personalized explanations and visual analogies.

✨ Features

- **YouTube Video Analysis**: Extract key concepts and create analogies from educational videos
- **PDF Document Analysis**: Understand research papers with customized explanations based on your expertise level
- **Personalized Learning**: Tailors explanations to your field, knowledge level, and preferred analogy style
- **AI Image Generation**: Create visual representations of complex concepts
- **Export Results**: Download analyses as text files for future reference

🚀 Getting Started

Prerequisites

- Python 3.7+
- A Google API key with access to Gemini models

Installation

1. Clone this repository:

```
git clone https://github.com/YourUsername/HikmaMind.git
cd HikmaMind
```

2. Install the required packages:

```
pip install -r requirements.txt
```

3. Create a `.env` file in the project root and add your Google Gemini API key:

```
GOOGLE_GENAI_API_KEY=your_api_key_here
```

Usage

1. Run the Streamlit application:

```
streamlit run app.py
```

2. Open your browser and go to http://localhost:8501
3. Complete your user profile
4. Choose what to analyze:
   - YouTube videos
   - PDFs via URLs
   - Uploaded PDFs

🔧 How It Works

HikmaMind uses Google's Gemini AI to:

1. Process research papers and videos
2. Generate personalized explanations based on your profile
3. Create analogies that match your learning style
4. Generate visual explanations when needed

🧪 Technologies Used

- Streamlit - Frontend UI
- Google Gemini AI - AI models for text and image generation
- Python dotenv - Environment management
- HTTPX - API requests

🙏 Acknowledgements

- Developed by [Your Name] (https://github.com/YourUsername)
- Special thanks to Google for the Gemini API

📄 License

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