

## 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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