



# PDF Parser for Prajna AI

An intelligent tool for extracting and analyzing text from PDF documents. Designed for AI-driven applications, it offers advanced parsing capabilities with an intuitive interface.

By AI Developers



# Key Features

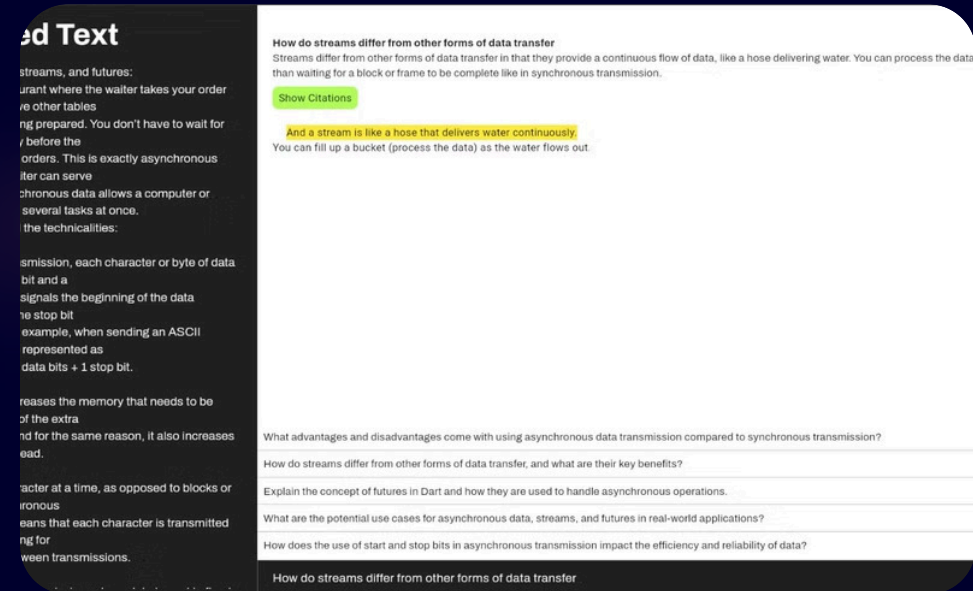
- 1 PDF Ingestion**  
Upload and parse PDF documents accurately, preserving content structure.
- 2 Embedding Generation**  
Create semantic embeddings for efficient content retrieval and querying.
- 3 Question Suggestion**  
Automatically generate relevant questions based on document content.
- 4 Natural Language Querying**  
Allow users to submit queries and receive accurate answers.

# User Interface



## Document Upload

Simple interface for uploading PDF files and viewing extracted content.



## Question Suggestions

Automatically generated questions based on document content.



# Querying and Results

<p><b>ad Text</b></p> <p>streams, and futures:</p> <p>urant where the waiter takes your order ve other tables ng prepared. You don't have to wait for y before the orders. This is exactly asynchronous lter can serve hronous data allows a computer or several tasks at once. l the technicalities:</p> <p>mission, each character or byte of data bit and a signals the beginning of the data he stop bit example, when sending an ASCII represented as data bits + 1 stop bit.</p> <p>rases the memory that needs to be of the extra nd for the same reason, it also increases ead.</p> <p>racter at a time, as opposed to blocks or ronous eans that each character is transmitted ng for ween transmissions.</p>	<p><b>what are potential use cases for async data, stream and futures</b></p> <p>Asynchronous data, streams and futures are used in a variety of applications, including:</p> <ul style="list-style-type: none"><li>- <b>Networking</b>: Asynchronous data is used to send and receive data over a network, allowing applications to perform multiple tasks simultaneously and each operation to complete.</li><li>- <b>Databases</b>: Streams are used to read and write data from databases, allowing applications to process large amounts of data efficiently.</li><li>- <b>Event handling</b>: Futures are used to handle events, such as user input or timers, allowing applications to respond to events in a timely manner.</li></ul> <p><b>Citations</b></p> <p>Think of a busy restaurant where the waiter takes your order and then goes to serve other tables while your food is being prepared. <b>You don't have to wait for your meal to be ready before the waiter can take other orders.</b> This is exactly asynchronous data.</p> <p>What advantages and disadvantages come with using asynchronous data transmission compared to synchronous transmission?</p> <p>How do streams differ from other forms of data transfer, and what are their key benefits?</p> <p>Explain the concept of futures in Dart and how they are used to handle asynchronous operations.</p> <p>What are the potential use cases for asynchronous data, streams, and futures in real-world applications?</p> <p>How does the use of start and stop bits in asynchronous transmission impact the efficiency and reliability of data?</p> <p><b>what are potential use cases for asyno data, stream and futures</b></p>
<p><b>ad Text</b></p> <p>streams, and futures:</p> <p>urant where the waiter takes your order ve other tables ng prepared. You don't have to wait for y before the orders. This is exactly asynchronous ter can serve hronous data allows a computer or several tasks at once. the technicalities:</p> <p>mission, each character or byte of data bit and a signals the beginning of the data ie stop bit example, when sending an ASCII represented as data bits + 1 stop bit.</p> <p>rases the memory that needs to be of the extra nd for the same reason, it also increases ead.</p> <p>racter at a time, as opposed to blocks or ronous eans that each character is transmitted ng for ween transmissions.</p>	<p><b>Describe the two states of a Future object in dart and how they are utilized?</b></p> <p>The two states of a Future object in Dart are:</p> <ol style="list-style-type: none"><li>1. Uncompleted: The operation is still ongoing.</li><li>2. Completed: The operation has finished, either successfully with a value or with an error.</li></ol> <p><b>Citations</b></p> <p>Let's understand futures in dart: <b>A Future in Dart represents a value that may not be immediately available but will be at some point in the future and hence used to handle asynchronous data.</b> Future in Dart represents a value that may not be immediately available but will be at some point in the future and hence used to handle asynchronous data in Flutter.</p> <p>How does asynchronous data enhance the efficiency of handling multiple tasks in computing?</p> <p>Explain the advantages and drawbacks associated with the framing of data bits in asynchronous transmission.</p> <p>How do streams differ from asynchronous data, and what is their role in data processing?</p> <p>Describe the two states of a Future object in Dart and how they are utilized in handling asynchronous data.</p> <p>Discuss the benefits and potential limitations of using asynchronous data and futures in real-world scenarios.</p> <p><b>Describe the two states of a Future object in dart and how they are utilized?</b></p>

## Response with Citations

Accurate answers provided with citations to source material.

# How Wecon Sta

Dart



# Futter

# rebase



API In

## Technology Stack



### Cloud Deployment

Scalable and reliable cloud-based deployment for using Firebase.



### API Integration

Cost-effective use of APIs using Gemini.



### Efficient Storage

Optimized data persistence for quick retrieval and querying using Firestore by firebase



# Development Process





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2 Love-Med Icons

# How to Use

1

## Access Website

Visit the deployed application at [pdf-parser-88393.web.app](https://pdf-parser-88393.web.app).

2

## Upload PDF

Use the provided demo PDF for optimal results.

3

## Explore Features

Interact with suggested questions or input custom queries.

4

## Review Results

Examine answers and citations provided by the system.

# Team AI Developers

## Expertise

IT and Data Science freshers from NIT Jalandhar.

## Collaboration

Effective teamwork to deliver a complex solution in a short timeframe.

## Innovation

Creative approach to solving document analysis challenges.