```
{
  "query": "artificial intelligence",
  "top_k": 5,
  "pdf_filter": null
}
```


Execute | Clear

Responses

Curl


```
curl -X 'POST' \
  'http://127.0.0.1:8000/api/v1/search' \
  -H 'accept: application/json' \
  -H 'Content-Type: application/json' \
  -d '{
  "query": "artificial intelligence",
  "top_k": 5,
  "pdf_filter": null
}'
```


Request URL

```
http://127.0.0.1:8000/api/v1/search
```

Server response

Code	Details

200

Response body


```
{
  "query": "artificial intelligence",
  "total_chunks_found": 5,
  "chunks": [
    {
      "text": "Artificial Intelligence Overview Author: Research Division Date: January 2025 Definition Artificial Intelligence (AI) is a field of computer science focused on building systems capable of performing tasks that typically require human intelligence such as reasoning, learning, and decision-making. Key Domains of AI - Natural Language Processing (NLP): Enables machines to understand and generate human language. - Computer Vision: Allows systems to interpret and analyze visual data from cameras or images. - Robotics: Integrates AI for autonomous movement and manipulation in real-world environments. - Expert Systems: Capture expert-level knowledge for decision-making in specific domains. Popular Machine Learning Algorithms - Linear Regression - Logistic Regression - Support Vector Machines - Decision Trees and Random Forests - Neural Networks Deep Learning Deep Learning is a subset of Machine Learning that uses multi-layered neural networks to model complex patterns found in data. It has driven major advancements in speech recognition, image classification, and language models. Real-World Applications of AI - Medical imaging for disease diagnosis - Fraud detection in banking - Recommendation systems in e-commerce - Speech assistants like Siri and Google Assistant - Autonomous vehicles Challenges in AI - Data quality and availability - Ethical concerns and transparency - High computational requirements - Security vulnerabilities Conclusion",
      "similarity_score": 0.7576,
      "source_pdf": "ai_overview.pdf",
      "page_number": 1,
      "chunk_index": 0
    },
    {
      "text": "Deep learning uses neural networks with multiple layers to analyze various factors of data.",
      "similarity_score": 0.7449,
      "source_pdf": "ai_basics.pdf",
      "page_number": 2,
      "chunk_index": 1
    },
    {
      "text": "Machine learning is a subset of artificial intelligence that enables systems to learn and improve from experience.",
```


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Response headers


```
access-control-allow-credentials: true
access-control-allow-origin: *
content-length: 2563
content-type: application/json
date: Thu,08 Jan 2026 11:26:18 GMT
server: uvicorn
```


Responses

Code	Description	Links

chunk_size Chunk size in characters

integer (query) 500

overlap Overlap between chunks

integer (query) 50

Request body required multipart/form-data

file * required PDF file to upload and index

string($binary) Choose File ai_overview.pdf

Execute Clear

Responses

Curl

```
curl -X 'POST' \
  'http://127.0.0.1:8000/api/v1/upload-pdf?chunk_size=500&overlap=50' \
  -H 'accept: application/json' \
  -H 'Content-Type: multipart/form-data' \
  -F 'file=@ai_overview.pdf;type=application/pdf'
```

Request URL

```
http://127.0.0.1:8000/api/v1/upload-pdf?chunk_size=500&overlap=50
```

Code Details

200

Response body


```
{
  "message": "PDF uploaded and indexed successfully",
  "filename": "ai_overview.pdf",
  "total_chunks": 2,
  "processed_at": "2026-01-08T16:51:48.196912"
}
```


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Response headers

```
access-control-allow-credentials: true
access-control-allow-origin: *
content-length: 141
content-type: application/json
date: Thu,08 Jan 2026 11:21:47 GMT
server: uvicorn
```

Responses

Code	Description	Links
200	Successful Response Media type: application/json Controls Accept header. Example Value | Schema	No links
422	Validation Error Media type: application/json	No links


```
{
  "message": "string",
  "filename": "string",
  "total_chunks": 0,
  "processed_at": "2026-01-08T11:26:18.731Z"
}
```