

GEN AI SOLUTIONS

Legal Document Summarization Tool

April 28, 2025

Pitch

Classify and Summarize Legal Clauses Automatically

Manual contract review is time-consuming, costly, and prone to human error, creating a growing need for faster, smarter legal document analysis.

OUR APPROACH

Clause Classification Using Machine Learning



Clause Summarization Using Local Transformer Model



End-to-End Automated Document Processing

COMPETITIVE ADVANTAGE

Offline Operation:

Uses a local Hugging Face model – no internet API costs, ensuring security and privacy.

Multi-Class Clause

Detection: Accurately classifies legal paragraphs into over 10 clause types

Fast Summarization:

Reduces contract review time by up to 70% by providing instant paragraph-level summaries.

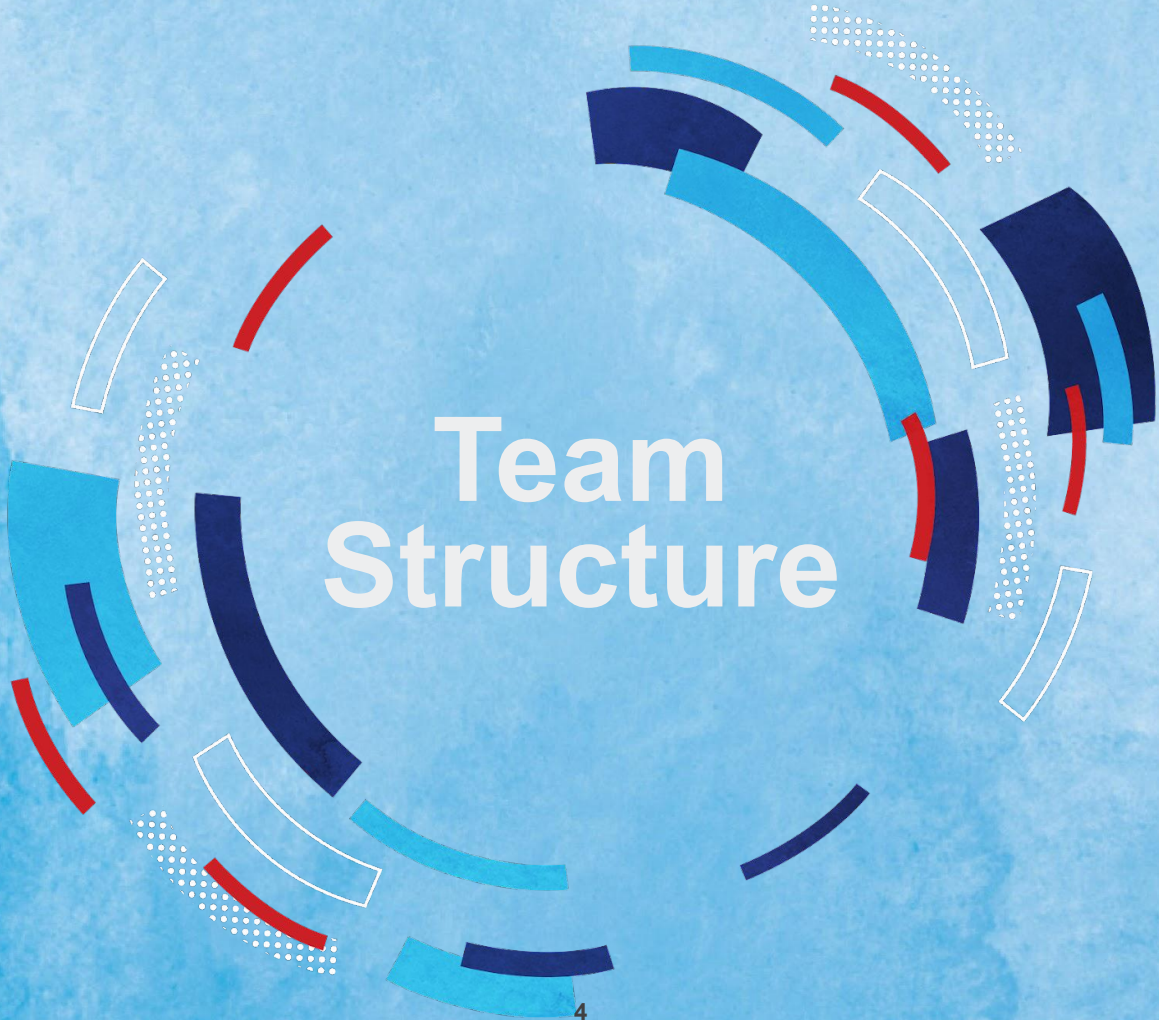
Easy Deployment:

Lightweight Streamlit app interface; no complex installation needed – works on internal servers or local machines.



Accelerate your contract review process — deploy our Legal Document Summarization Tool today for faster, smarter, and safer legal analysis!

Team Structure



Team Breakdown

Michelle Ike – Economics & Marketing Background

Role: Product Manager

Responsibilities:

- Own the product roadmap, ensuring alignment between technical capabilities, user needs, and business goals.
- Translate stakeholder feedback into actionable product features.
- Oversee model integration, UI development, and deployment planning.
- Coordinate across engineering, legal, and design functions.
- Lead user testing sessions with legal professionals to refine functionality.

Morgan-Lee Blake – Political Science Background

Role: Legal Domain Liaison / Compliance Strategist

Responsibilities:

- Interpret legal terminology and ensure that AI-summarized outputs retain legal accuracy.
- Work with developers to train models on proper clause identification (e.g., termination, confidentiality).
- Conduct audits to validate model outputs against real contracts.
- Monitor compliance risks and ensure adherence to jurisdiction-specific regulations.

Team Breakdown

Michelle Seth - Marketing Background

Role: Business Development & Customer Success Lead

Responsibilities:

- Lead outreach to law firms, legal tech platforms (like Clio, iManage), and enterprise clients.
- Craft and execute go-to-market strategies for each pricing tier.
- Manage onboarding, client engagement, and support resources.
- Collaborate with Product Lead to prioritize features based on client feedback.
- Develop marketing materials that clearly explain the product's benefits to legal and non-legal users.

Unaswi Mudanga - Economics & Statistics Background

Role: Data & Risk Analyst / Product Manager Support

Responsibilities:

- Analyze model performance metrics and summarize insights on accuracy, recall for clause detection, and summarization quality.
- Conduct risk assessments (e.g., false clause detection, regulatory compliance gaps).
- Support product planning with data-driven input on model tuning and feature prioritization.
- Evaluate cost efficiency of cloud usage and API calls for scaling.

Team Breakdown

Natascha Banda – Business Management & Entrepreneurship Background

Role: Strategy & Operations Lead

Responsibilities:


- Define business model and pricing strategies based on competitor analysis and stakeholder feedback.
- Monitor project timelines, team resource allocation, and milestone achievement.
- Build financial models to support cost structure and profit projections.
- Lead investor or pitch deck development and represent the team in external discussions.

Technology

An abstract graphic consisting of several curved segments in shades of blue, red, and white, arranged in a circular pattern around the central text. Some segments have a dotted pattern.

Technology Stack

TECHNOLOGY	USE
PDFplumber	Extracts text from the PDF
SEC API	Direct access to official findings
NLTK	Fast text cleaning and language-aware chunks
XGBoost	Used in contract clause classification
BERTopic	Discovers hidden themes/clauses in large document collection
FACEBOOK/ BART	Automated summarization of contract clauses
GITHUB	Used for connectivity between code and interface
STREAMLIT	User Interface used for final deployment



Demo Screenshots

CONFIDENTIALITY AGREEMENT

This Confidentiality Agreement ("Agreement") is made effective as of April 28, 2025, by and between Alpha Corporation ("Disclosing Party") and Beta LLC ("Receiving Party").

1. CONFIDENTIAL INFORMATION

The Receiving Party agrees to maintain the confidentiality of all non-public, proprietary information disclosed by the Disclosing Party and shall not disclose such information to any third party without prior written consent.

2. TERM

This Agreement shall remain in effect for a period of three (3) years from the date of execution.

3. TERMINATION

Either party may terminate this Agreement upon thirty (30) days' prior written notice to the other party.

4. GOVERNING LAW

This Agreement shall be governed by and construed in accordance with the laws of the State of New York, without regard to its conflict of law provisions.

5. ENTIRE AGREEMENT

This Agreement constitutes the entire understanding between the parties regarding the subject matter hereof and supersedes all prior agreements, understandings, and representations.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first written above.

Alpha Corporation Beta LLC

By: _____

Name: John Doe


Title: CEO

By: _____

Name: Jane Smith

Title: Managing Partner

Contract Clause Classifier & Summarizer

 Upload Full Contract  Enter Single Paragraph

Upload a Contract PDF



Drag and drop file here
Limit 200MB per file • PDF

Browse files



example_contract.pdf 2.3KB



File uploaded successfully!



Analyze Document



Summarized Clauses



Representations & Warranties

The parties have executed this Agreement as of the date first written above. The Agreement supersedes all prior agreements, understandings, and representations.



Termination

The Receiving Party agrees to maintain the confidentiality of all non-public, proprietary information disclosed by the Disclosing Party. The Agreement shall remain in effect for a period of three (3) years from the date of execution.

Rental Agreement

This Rental Agreement (the "Agreement") is made on the ____ day of ____, 20____, between Smith Luxury Rentals LLC ("Owner's Agent") and ____ ("Guest"), including all individuals (the "Rental Party") staying at 4465 Paper Mill Road, S.E., Marietta, GA 30067 (the "Property"). The Owner authorizes the Owner's Agent to enter into this Agreement and manage all aspects of the Guest's stay under the terms set forth herein:

1.

The Property is a private home located at 4465 Paper Mill Road, S.E., Marietta, GA 30067. The property's name is the Lion's Gate Estate.

2.

The Rental Party includes all individuals staying at the Property. The entire Rental Party is bound by the terms of this Agreement. The maximum allowed Rental Party is ____ 20 ____ people.

3.

The Lease Term shall be from ____ 20 ____ at ____ 4 ____ pm (the "Arrival Date") to ____ 20 ____ at ____ 10 ____ am (the "Departure Date").

4.

Rent. The Guest shall pay ____ (the "Rent") for the Lease Term. The first payment is due upon execution of this agreement and will consist of fifty percent (50%) of the Rent. The final payment is due 60 days before the Arrival Date. In the event that this Agreement is made within ____ 60 ____ days of the Arrival Date, the Guest shall pay the full amount of the Rent upon execution of this Agreement.

5.

The Utilities. The Owner's Agent shall be responsible for all utilities and services for the Property.

6.

Damage Deposit. The Guest shall be obligated to pay ____ \$1,500.00 ____ (the "Damage Deposit"). The Damage Deposit is for faithful performance of the Guest under the terms of the Agreement. The Damage Deposit will be included as part of the Rent paid by the Guest mentioned in Paragraph 4. The Damage Deposit will be returned to the Guest following an inspection of the Residence by the Owner's Agent, less any deductions for damages to the Residence, its furnishings, and/or excessive mess requiring additional cleaning outside of the ordinary wear and tear due to Guest's stay.

Page | 3

Summarized Clauses

Confidentiality

Page | 8. Page | 1. Page - 2. Page 3. Page 4. Page 5. Page 6. Page 9. Page 10. Page 11. Page 12. Page 13. Page 14.

Dispute Resolution

No Waiver and Amendments. Owner's Agent shall be entitled to a recovery of his attorneys' fees and expenses of litigation. If any provision of this Agreement is held to be invalid or unenforceable, the remaining provisions shall not be affected.

Indemnification

Owner's Agent is not responsible for any accidents, injuries or illness that occur to any member of the Rental Property or Guest's visitors while in the Property or on the Property. Guest agrees to assume all risks of any harm arising from use of the property. Under NO CIRCUMSTANCES, SHALL OWNER'S AGENT BE LAIBLE TO ANY GUEST OR ANY OTHER PEOPLE FOR ANY DAMAGES.

Payment Terms

The Rental Agreement (the "Agreement") is made on the ____ day of ____, 20____. Smith Luxury Rentals LLC ("Owner's Agent" and "Guest"), including all individuals (the "Rental Party") staying at 4465 Pa.

Termination

Any time over 20 people are at the Property it is considered a Special Event. Failure to inform the Owner's Agent of an event, or conducting an unauthorized event on the Property, will result in termination of this Agreement. Smoking inside the Property is forbidden.

Safari File Edit View History Bookmarks Window Help

legalsummarizationinterface.streamlit.app

requirements... (6... Tool Pipeline Cod... Project | MSA 8700 Homepage - GEN... Final Project Pres... Contract Clause... Presentations - G... Copy of Final Proj... AI Legal Summar...

Fork ↻ ⋮

Contract Clause Classifier & Summarizer

Upload Full Contract Enter Single Paragraph

Enter a Contract Paragraph:

"The Receiving Party agrees that it shall hold all Confidential Information disclosed by the Disclosing Party in strict confidence and shall not disclose such information to any third party without prior written consent. The Receiving Party shall use the Confidential Information solely for the purposes of evaluating the potential business relationship and shall take all reasonable measures to protect the confidentiality of the disclosed information."

Analyze Paragraph

Predicted Clause Type

Confidentiality

Summarized Paragraph

"The Receiving Party agrees that it shall hold all Confidential Information disclosed by the Disclosing Party in strict confidence," the contract states. "Such information shall not be disclosed to any third party without prior written consent," it adds.

STA
...ICE.docx