MSA 8700_006

GEN AI SOLUTIONS

# Legal Document Summarization Tool

April 28, 2025

Georgia State University | J. Mack Robinson College of Business

Robinson

# 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**

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**Clause Summarization Using Local Transformer Model**

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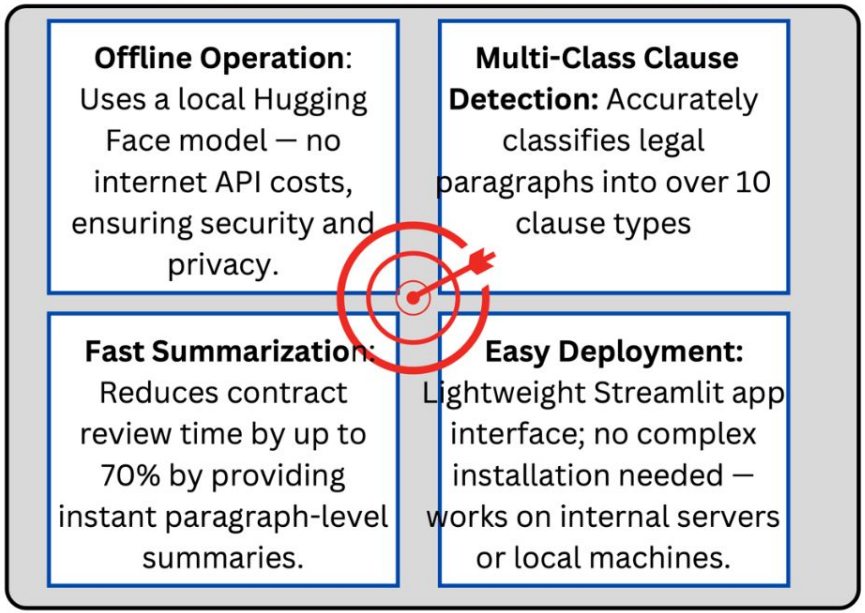
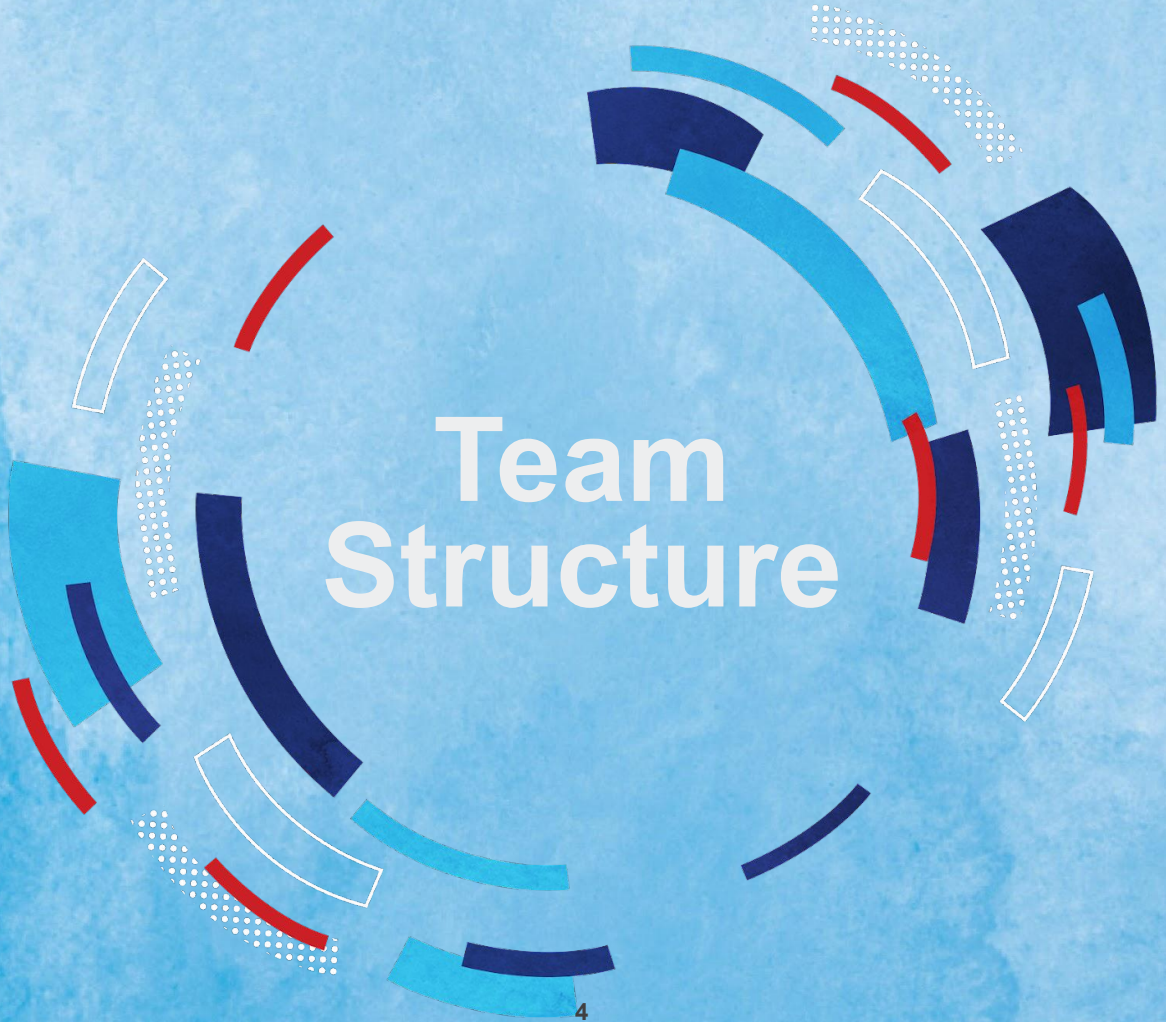
**End-to-End Automated Document Processing**

## COMPETITIVE ADVANTAGE




**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

# 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.

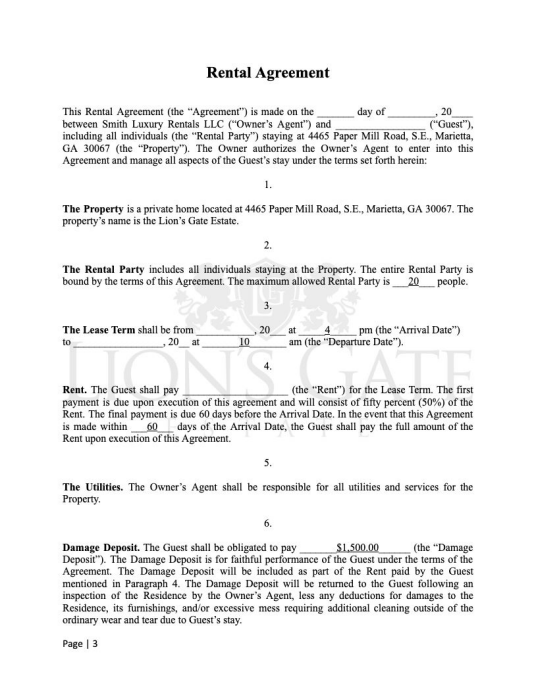
4. GOVERNING LAW
This Agreement shall be governed by and construed in accordance with the laws of the State of New York, without regard to its conflict of law provisions.

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: _____ By: _____
Name: John Doe Name: Jane Smith
Title: CEO Title: Managing Partner



**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.

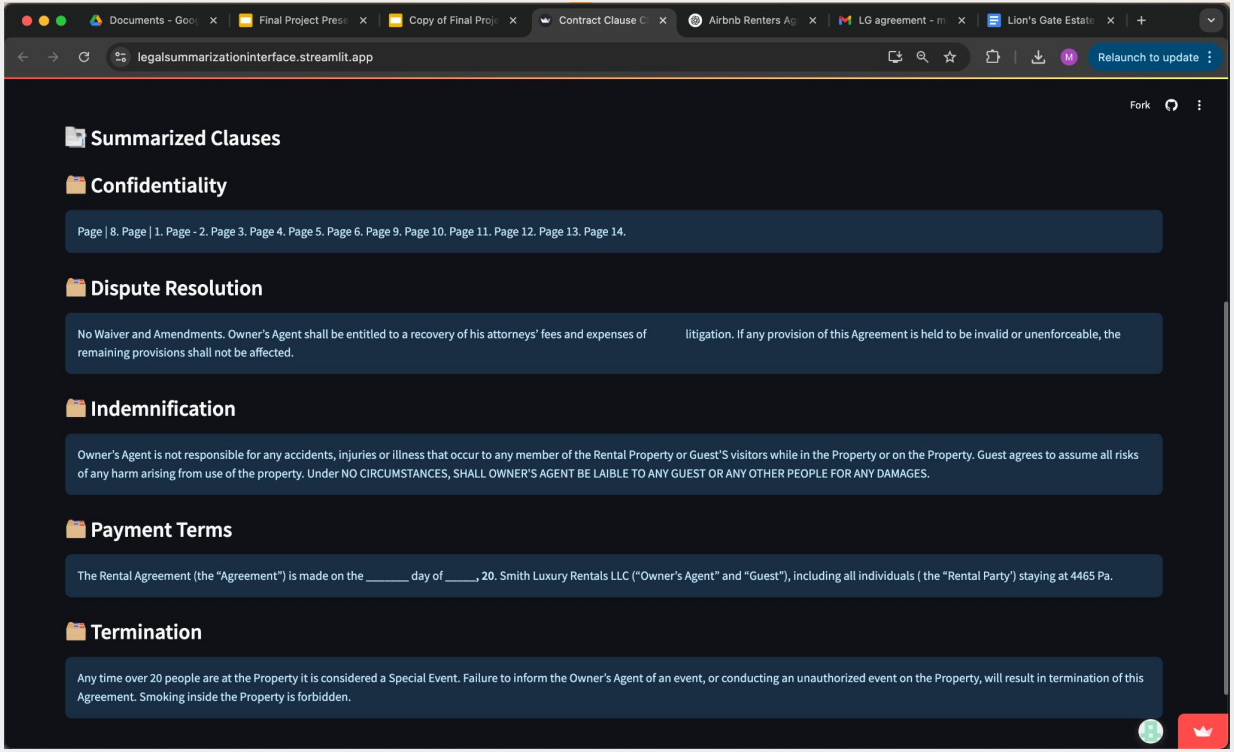
5.

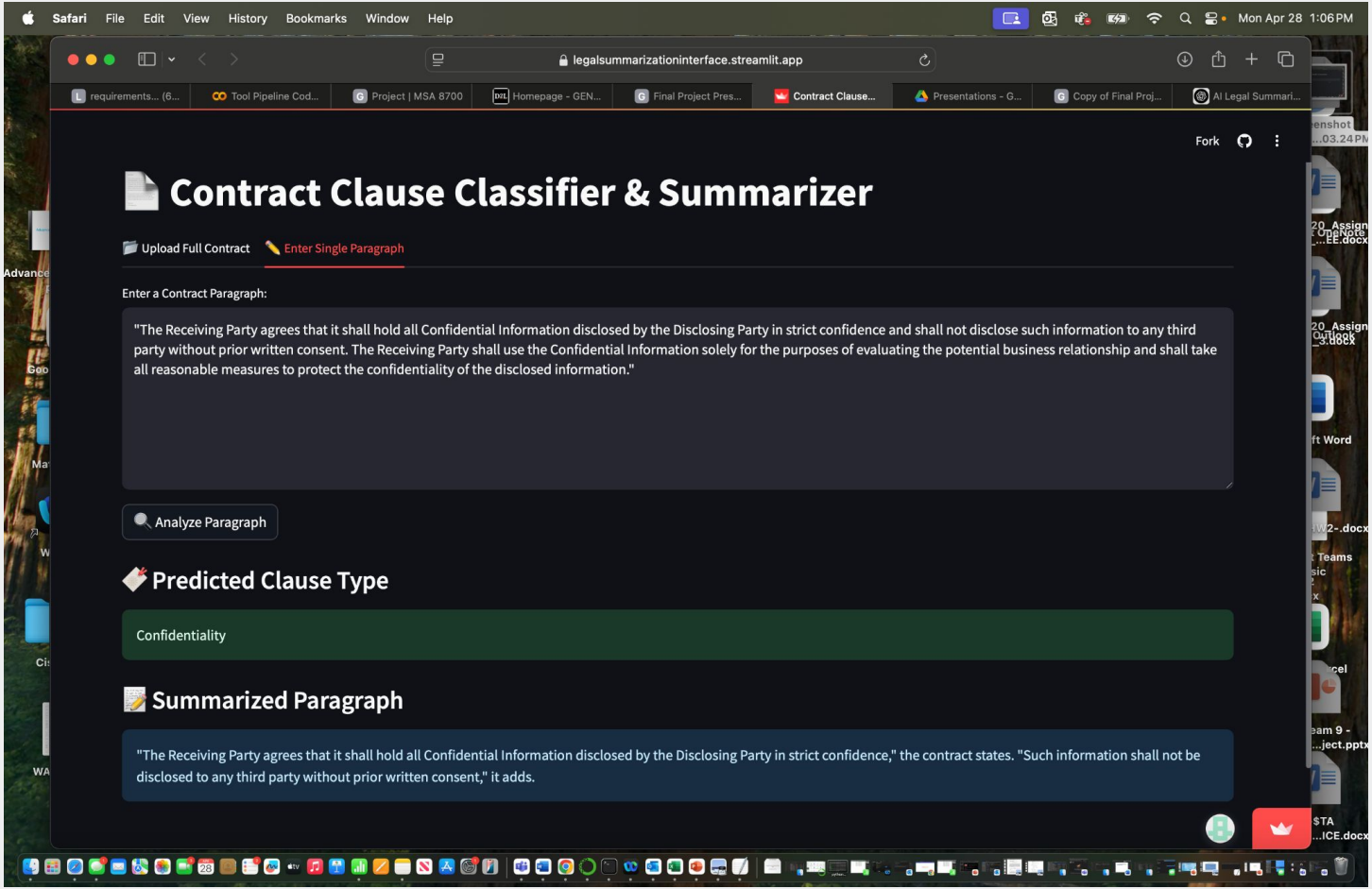
**The Utilities.** The Owner's Agent shall be responsible for all utilities and services for the Property.

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.



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Mon Apr 28 1:06 PM
legalsummarizationinterface.streamlit.app
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.