



Smart Contract Risk Identification

Case study

Objective

Contract writing, review and risk identification poses a challenge for companies due to:

- high **volume** of contracts
- deliberate **verbosity**, at times
- **error-prone** manual effort

An efficient, automated solution can bring in huge difference.

Approach

Gramener deployed a **Deep Learning** based solution that trains **language models** on the legal corpus.

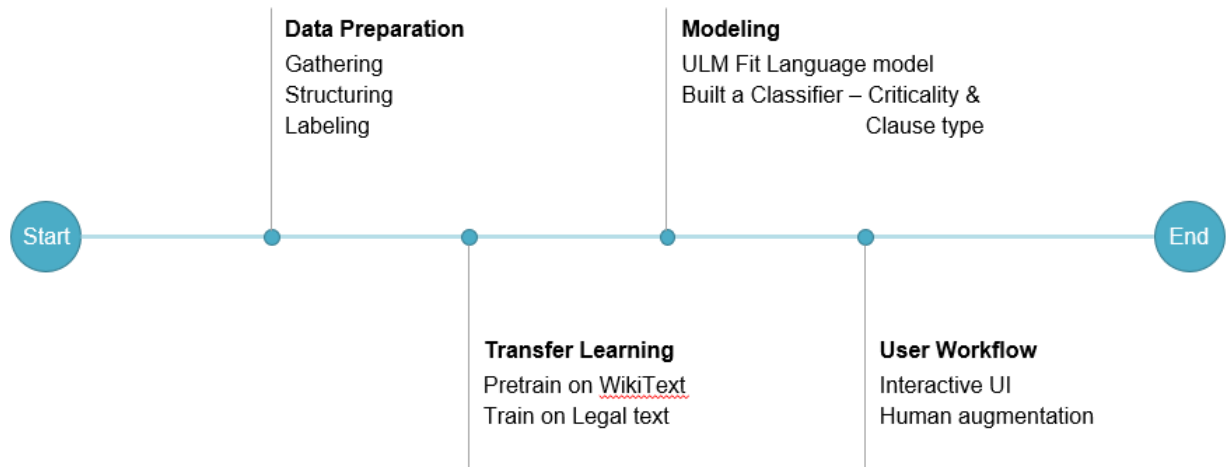
The trained language models use a **multi-label classification** approach to identify the category and risk level for every clause. This solution is packaged as a **Human-in-the-loop AI** solution.

Outcome

Gramener built a **Smart Contract Risk identification** solution that can automatically parse contracts, classify them into categories and flag the risky ones.

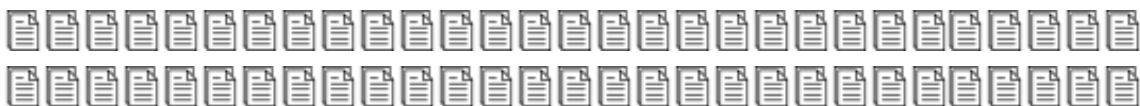
The solution comes with a **reviewer-approver workflow** that enables human re-classification of clauses for a **continuous feedback** loop to the model.

Workflow



Sample:

1. 100 + documents



2. 6000 + clauses

Term. This Agreement shall be in force for a period of two (2) years from the Effective Date. This Agreement may be terminated by either Party at any time upon thirty (30) days written notice to the other Party. Provided however that the termination of this Agreement shall not relieve any Party of its obligations with respect to Confidential Information disclosed under this Agreement for a period of five (5) years after the

3. Classify

Classify every clause into a Category...

Agreement	Liability-Indemnity
Confidentiality	Others
Dispute Resolution	Payment Terms
IP Rights	Scope
Terms And Conditions	Sub Contract
Warranty	

... and Criticality:

Non-Critical
Critical

Demo Link

<https://ai.gramener.com/scri/>

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