Redactify Lux — Smart Document Classification & Redaction

Illuminate your privacy. Automate your compliance.

Redactify Lux is an Al-powered document automation tool that classifies PDF documents and redacts sensitive information using a hybrid approach of machine learning and regex. Designed with modularity and privacy-first principles, it enables secure document processing for legal, financial, and enterprise workflows.

Key Features

- Document Classification Automatically detects type (e.g., NDA, Invoice, Shipping Order)
- Tybrid Redaction Redacts sensitive data using ML-based NER + regex
- @ML & OCR Powered Uses NLP and OCR to extract and understand content
- Text & PDF Output Returns redacted data as plain text or downloadable PDF
- ✓ Modern Frontend Drag & drop UI with real-time feedback and dual-view preview

X Tech Stack

- Backend: Python, FastAPI, Scikit-learn, spaCy, PyMuPDF
- Frontend: React, Material UI (MUI)
- PDF Redaction: Layout-aware with PyMuPDF & FPDF
- Classification: Trained on real-world-like documents with high accuracy

API Endpoints

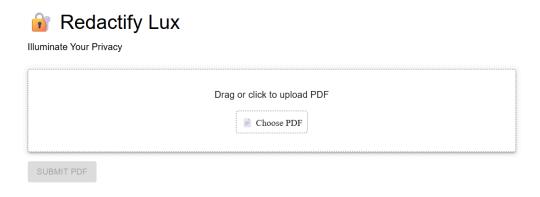
- POST /classify/`
- Upload a PDF
- Returns: Classification label, character count, etc.
- POST /redact/`
- Upload a PDF
- Query param: 'output format=text|pdf|both'
- Returns: Redacted text and/or redacted PDF
- POST /process/`
- Upload a PDF
- Performs both classification & redaction
- Returns: classification label, redacted text, redacted entities, and optional PDF download

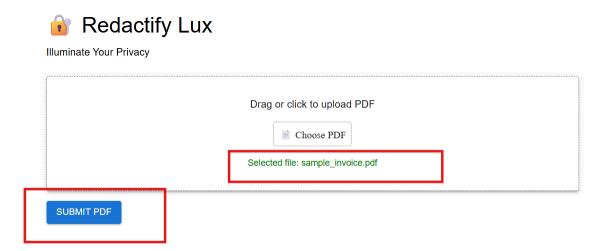
- math Demo UI Highlights
- S Drag & drop interface
- Extracted and redacted text shown side-by-side
- Land Download redacted PDF instantly
- Nesponsive and modern React design



Created as a demo-ready Al-powered tool to showcase intelligent document automation. Ideal for integration or pilot use in firms focused on compliance, legal tech, or enterprise automation.

> Redactify Lux is not here to replace your enterprise tools — it's the agile sandbox to empower innovation teams, support lean client pilots, and seed future-ready IP.

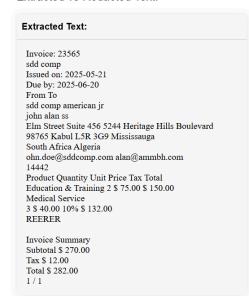


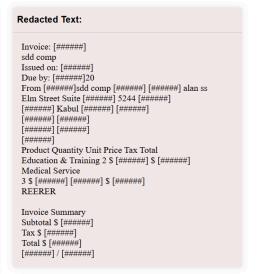


Uploaded pdf are classified based on ml model and output are shown ad extracted text, redacted text and original pdf and redacted pdf

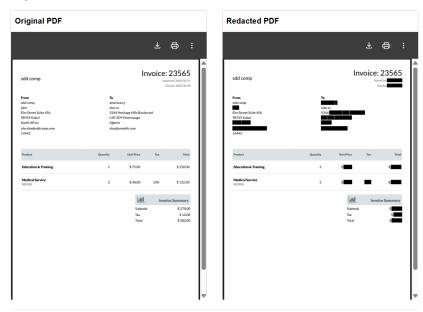
Classification: INVOICES

Extracted vs Redacted Text:



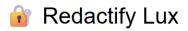


Original vs Redacted PDF:



Download Files:

Download Original
Download Redacted



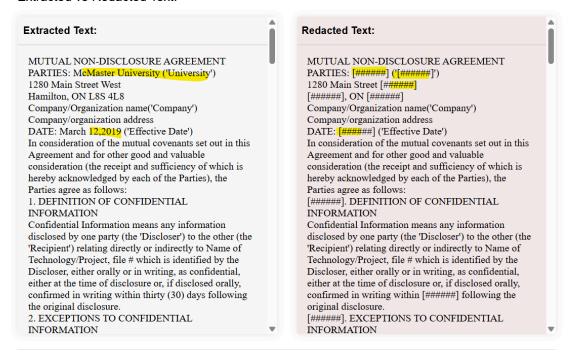
Illuminate Your Privacy



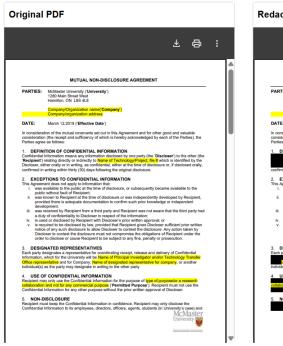
SUBMIT PDF

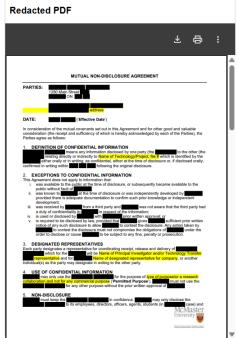
Classification: NON DISCLOSURE DOC

Extracted vs Redacted Text:



Original vs Redacted PDF:





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 Download Redacted



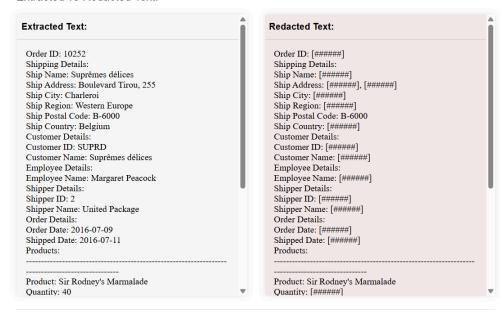
Illuminate Your Privacy



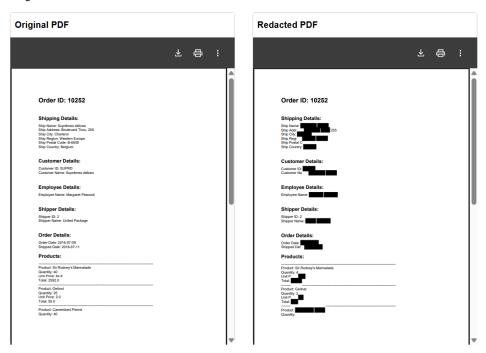
SUBMIT PDF

Classification: SHIPPING ORDERS

Extracted vs Redacted Text:



Original vs Redacted PDF:



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