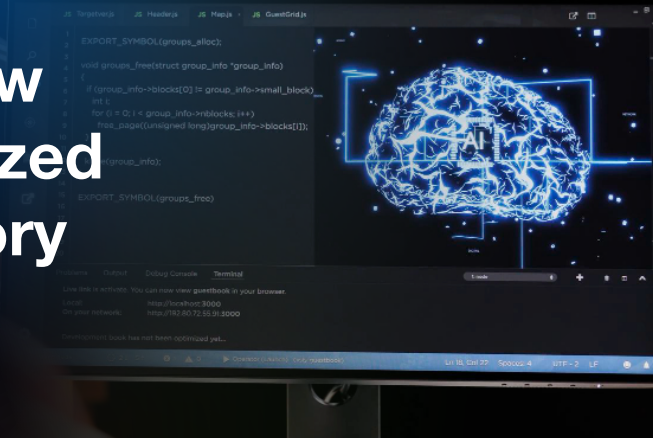


Saving \$5.2M Annually: How Advanced NLP Revolutionized Drug Labeling for Regulatory



Challenge

Pharma officers traditionally spent extensive time manually filling product information for drug labeling documents before uploading them into Document Management Systems (DMS). This process was labor-intensive, prone to errors, and inefficient, especially with 20,000 documents needing classification and attribute filling each year.

Approach

We implemented an advanced Named Entity Recognition (NER) solution, which leveraged client-specific data to develop highly accurate extraction models. These models outperformed cloud alternatives in both accuracy and resource utilization. Additionally, a user-friendly UI was created to streamline the workflow, enabling seamless integration with existing systems.

Impact

\$5.2m

Saved annually due to a drastic reduction in document processing time, with manual effort reduced from 45+ minutes to just 2 minutes per document.

90%+

Achieved 90%+ accuracy for the extracted entities, ensuring compliance and auditability

Streamlined metadata management to fit company standards, further enhancing the efficiency and reliability of the document

About Straive

Straive is a market-leading content technology enterprise that provides data services, subject matter expertise (SME), and technology solutions to multiple domains, such as research content, eLearning/EdTech, and data/information providers. With a client base scoping 30 countries worldwide, Straive's multi-geographical resource pool is strategically located in seven countries - the Philippines, India, the United States, Nicaragua, Vietnam, the United Kingdom, and Singapore, where the company is headquartered.

