



Accounts Payable Use Case

About Us

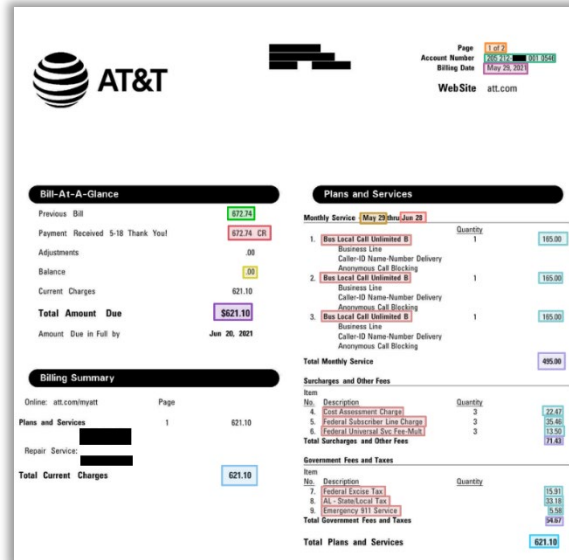
SingularityAI, the next generation IDP company, provides an Artificial Intelligence platform to help enterprises transform their raw data into actionable insight.

Enterprise leaders use SingularityAI to efficiently convert high-volume unstructured content into machine-readable data, enabling real-time decision-making and powering improvements in customer experience and operational agility.

Serving a global customer network of top-tier organizations in banking, insurance, healthcare, energy, and other data-intensive industries, SingularityAI is headquartered in Princeton, NJ's Einstein's Alley.



Challenge



Invoice Processing Semi-structured Data

Invoices processed for telecom service providers, having a wide variety of layouts and differing labels for key data values, were being processed through expensive, time-consuming, error-prone manual effort.

No other automation solution tested was able to process the range of layouts, range of text formatting and various graphical designs of the invoices submitted.

The client provided us with fewer than 200 data samples across seven data variations and asked us to train a robust model to extract eight fields.

Solution

- A model that can extract data from multiple tables on a single page, sum the line item amounts, check results and do the same across all pages of these multi-page invoices.
- The model is able to index and classify documents at both the document level and the field level, solving the problems of different providers using different labels for the same category.

Results

- 98% Accuracy
- 89% reduction in exceptions handling
- 1000+ invoice types automated
- Increased straight through processing from 30% to 94%
- Dramatic reduction in late fees and credits needed from carriers
- Production-ready in four days.

