

Autonomous underwriting decisioning using deep learning



CLIENT

The client is a P&C insurance leader in North America.

BUSINESS CONTEXT

A leading P&C insurer needed to develop an autonomous underwriting solution for commercial insurance that would emulate the process & decisions made by underwriters. This was intended to reduce manual effort, streamline existing processes & improve overall underwriting quality.

BUSINESS IMPACT

70%+

Reduction in underwriting decisioning time & increased throughput



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[How we delivered Value – Go to page 2](#)

BRIDGEi2i's automated underwriting engine used Computer Vision (CV), Optical Character recognition (OCR) & Natural Language Processing (NLP) on files for feature engineering factor required for underwriting decisioning



SOLUTION DEPLOYMENT

BRIDGEi2i developed an automated end-to-end engine to assist underwriters in faster decisioning. This included:

- Extraction of data from external sources like the client websites using web-scraping
- Extraction of relevant information from unstructured documents such as pdfs, word documents and images using CV, OCR & NLP techniques
- Aggregation & integration of various data sources
- Feature engineering factors required for underwriting decisioning
- Auto classification of factors like industry based on web scraped information about the client
- Automated decisioning for appetite checks, risk measurement, coverage limitation, cross-sell/up-sell cover using deep learning techniques

The AI solution was delivered in the form of a custom user interface to streamline the underwriting workflow.



Talk to us

BRIDGEi2i delivers faster time to value and more accurate decisions

Learn how

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