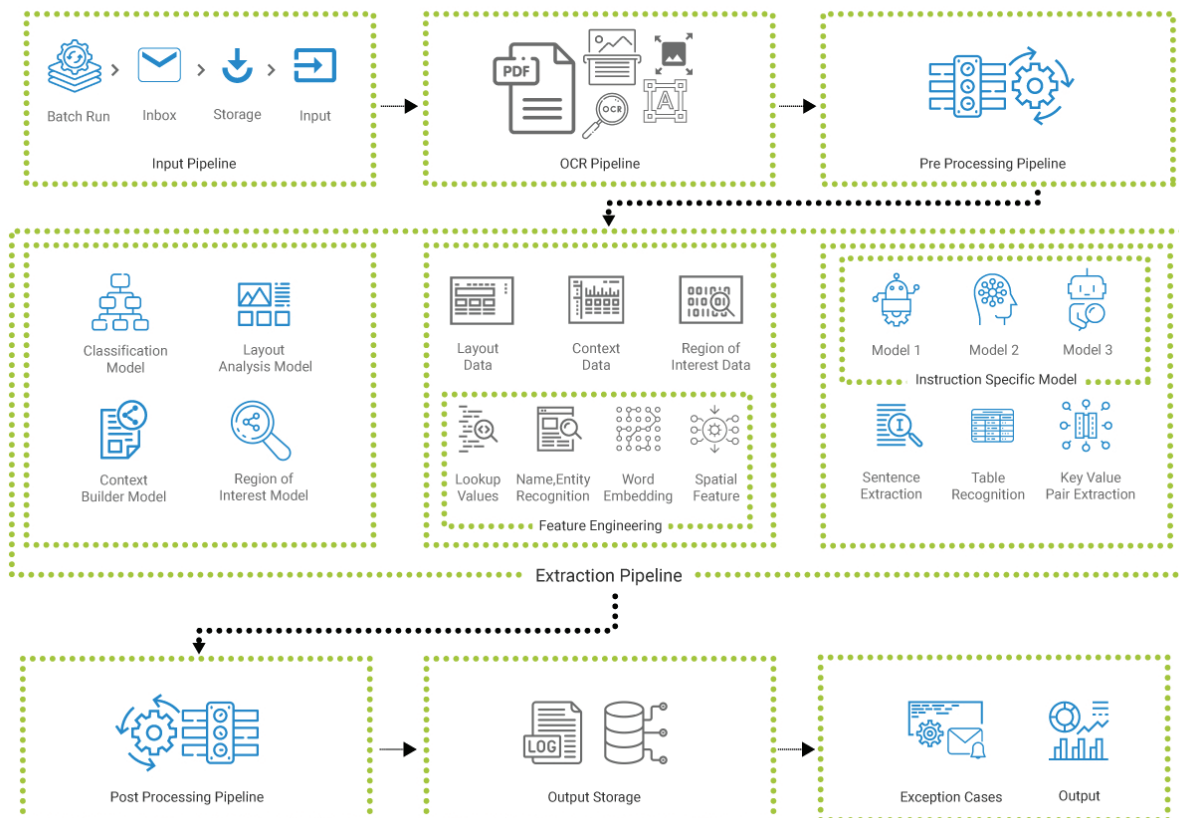# AUTOMATED COMMERCIAL LENDING OPERATIONS USING AI

Fast, Automatic & Accurate

Make commercial lending deal maintainance much faster, while delivering a satisfying customer experience.Magic DeepSight™ leverages several technologies like AI, ML, RPA to automatically extract information from transaction documents and identify appropriate deal maintainance instructions and execute through underlying loan settlement platforms. This makes the process automated and accurate while eliminating manual processing.

Loan Operations Automation

Input Pipeline
Batch Run → Inbox → Storage → Input

OCR Pipeline
PDF, OCR

Pre Processing Pipeline

Extraction Pipeline

Classification Model
Layout Analysis Model
Context Builder Model
Region of Interest Model

Layout Data
Context Data
Region of Interest Data

Feature Engineering
Lookup Values
Name,Entity Recognition
Word Embedding
Spatial Feature

Instruction Specific Model
Model 1
Model 2
Model 3

Sentence Extraction
Table Recognition
Key Value Pair Extraction

Post Processing Pipeline

Output Storage
LOG

Exception Cases

Output

"The product is streamlined, the extracted data is reliable, and the documentation is clear. Their approach of integrated accelerators is suitable since we have several internal business applications across multiple workflows. We are looking forward to using their services over the years

Product Manager, Commercial Lending Platform

Features

Flexible Hosting

Magic FinServ's solution can be provided as on-premise solution and as well as cloud based, can be deployed directly to the client's cloud subscription or as a SaaS solution hosted and managed by Magic.

Interoperability

The solution has an API driven flexible architecture and supports all major environments (Linux/Windows etc.), allowing it to easily integrate with existing client ecosystems – platforms, applications with a diverse technology stack. It fully supports containerization.

Scalability

The solution can seamlessly process high volumes of data. It consists of a multiprocessing enabled horizontally scalable architecture. It can scale on demand to process high volumes of data without any significant impact on performance.

Usability

It is a skinless web application i.e., it can fully customize the user interface as per the UI preference and practices of the client. Users can be onboarded to the system in no time.

Extensibility

Its core architecture is an Enterprise AI platform which can be configured with additional technologies such as Rule Engines, RPA, API, etc. to deliver a complete last mile solution rather than just a data extraction utility.

STP

It can operate completely unsupervised. No active monitoring is required as the system will be implemented with an exhaustive exception workflow to alert users if manual intervention is required.

Benefits

- Reduce deal maintainance cycle
- Reduce missed instructions
- Save costs of manual processing
- More time allocated to higher-value work
- Higher employee engagement

Technology Used

- Natural Language Processing
- Artificial Intelligence
- Robotic Process Automation
- Machine Learning

To book a demo,
write to us :

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🌐 www.magicfinserv.com