



Extracting & Processing Data from Images with Intelligent Automation/AI

Background

This client is one of largest Islamic Banks who is a diversified financial services provider, offering charge, credit and payment card products, travel-related services to retail and corporate customers. It also provides card processing, point-of-sale, settlement and marketing services to merchants globally. We were engaged as a strategic partner to with respect to the Data Extraction engagement. Many a times either all the required documents are not attached or scanned image is not readable, thus Customer applications are returned from Credit to Sales which increases inefficiency. Even collating data from a large number of scanned images is very difficult and time consuming.

Challenge

- Bank's Customer is required to provide copies of documents every time despite being available in Bank's records
- Documents are not indexed & stored properly, which makes retrieving a specific document very tedious.
- Latest Customer information is not synched with Core Banking

Solution

- Leverage Big Data & other technologies (e.g. OCR) to scan and store images from PDF, jpeg, png and other formats/documents
- Pre-process, Enrich, Index & accept correct data with integration to other databases & solutions
- Retrieve documents at the time of application booking and attach if documents are valid & acceptable, thus no repeat scanning
- Provide 360-degree view on captured images & data using data lineage and trace-back functionality
- Enable the bank to achieve operational streamlining, enhanced customer experience, master data governance, stronger risk effectively, and allow use of advanced analytics.

A reliable solution for Data Extraction from images, storing & indexing them for future analytics.

Client

Large Islamic Bank

Country / Region

Dubai

Industry

Banking & Finance

Software / Technology

.net

Machine Learning

Robotics

Big Data

Natural Language Processing



Process

IMAGE DATA EXTRACTION

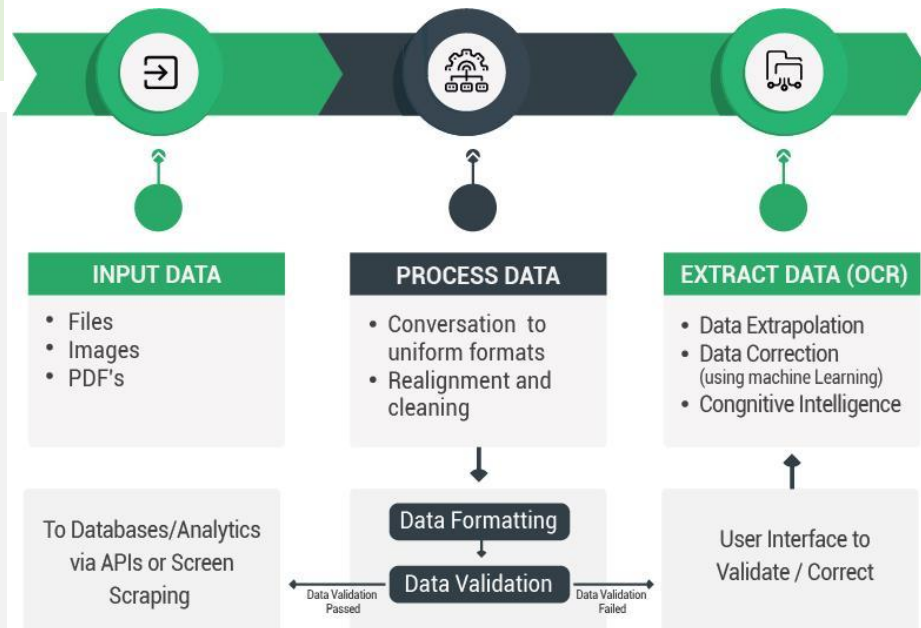
Extracts data from images in a Real-time or Batch Process.

Quick Data Extraction

Extracts required information from different scanned images quickly and stores in Big Data for Analytics & Reporting.

Enhance Productivity

It can help Banks to enhance productivity and to reduce costs by quickly extracting information from scanned images and storing them for future use.



Results

- **Scan, Index & Store** customer documents (e.g. unstructured data such as Passport & Emirates ID) to big data environment
- **Data Quality** provides quality checks on source data captured. Provides validation checks using business rules & existing data
- **Extraction of 10+ data points** from Passport & ID [Full name, Nationality, Date of Birth, National ID, Date of Issue, Expiry Date, Issue Place, Home address if applicable]
- **Unified data layer** allowing transparency, auditability & visualizations
- **Adaptability** to any technology and scalability for further implementation

About FINBOTS

FINBOTS is a Singapore-based Intelligent Automation firm focusing on Finance, Risk and Operations area. We offer consultancy services on how you can re-imagine the process and use data effectively through Intelligent Automation, Data Science and Machine Learning. We take pride in our integrated approach to intelligent automation. FINBOTS is a part of STRAITSBRIDGE ADVISORS PTE. LTD., Singapore.

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