
Neural Space

Customizable Language AI

Intelligent Document Processing

Our Core Services



Language Understanding



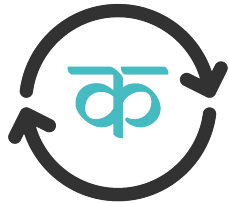
Speech to Text (STT)



Text to Speech (TTS)



Sentiment Analysis



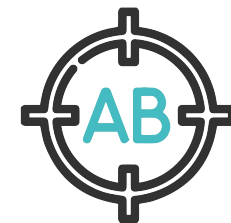
Translation



Transliteration



Document Analysis



Optical Character Recognition

All available as stand-alone modular components or in combination

Use Cases



Voice and chat bots

Deploy virtual assistants to automate conversations on the medium of choice



Localization

Accessibility services provided in low resource language e.g. Haitian Creole



Intelligent Document Processing

Recognize characters and extract key information from documents for automated digitization, augmented by semantic search. IDP uses both **OCR** (Optical Character Recognition) and **NER** (Named Entity Recognition)

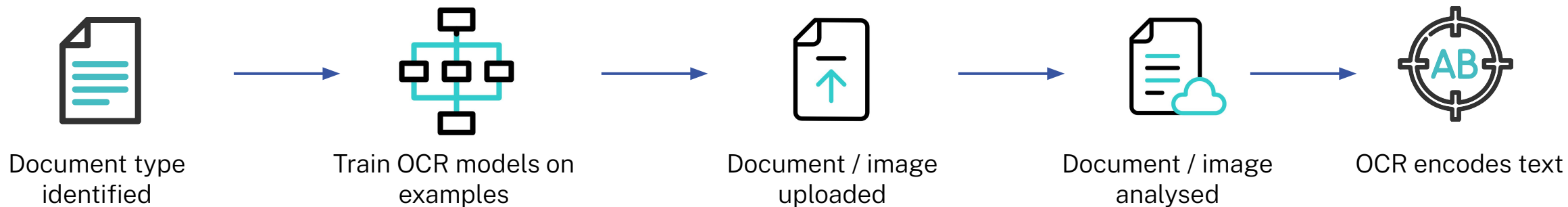


Call Center Analytics

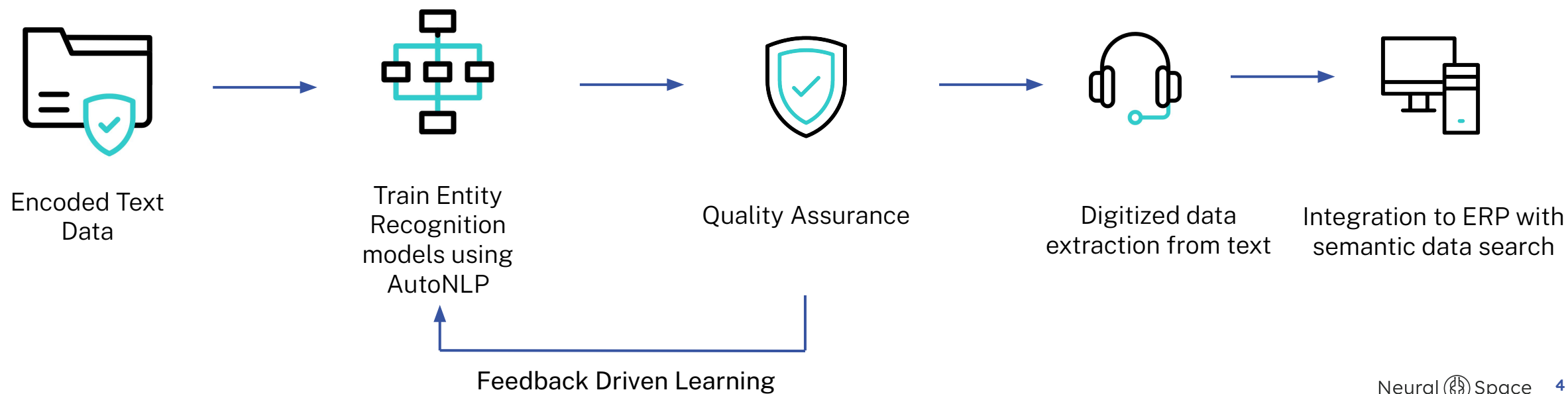
Process audio files along with NER, clustering and more to provide insight and analytics in multiple languages

How it works

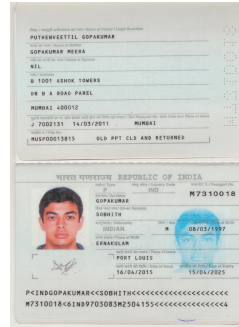
OCR



NER



How it looks



Click or drag file to this area to upload

Passport.JPG

Passport

Analyse

- 1 Uploading
- 2 Extracting text
- 3 Cleaning text
- 4 Extracting entities
- 5 Completed

How it looks

📎 Passport.JPG 🗑️

Passport ▾ Analyse

Extracted Information [↓](#)

Passport Number	M7310018
Passport document type	P
Surname	GOPAKUMAR
Name	SOBHITH
Date of birth	08-03-1997
Gender	M
Nationality	India

Response JSON

```
▼ "root" : { 8 items
  "name" : string "SOBHITH"
  "surname" : string "GOPAKUMAR"
  "document_number" : string "M7310018"
  "birth_date" : string "970308"
  "expiry_date" : string "250415"
  "sex" : string "M"
  "nationality" : string "IND"
  "document_type" : string "P"
}
```

Click here for the [video](#)

 Powered by NeuralSpace

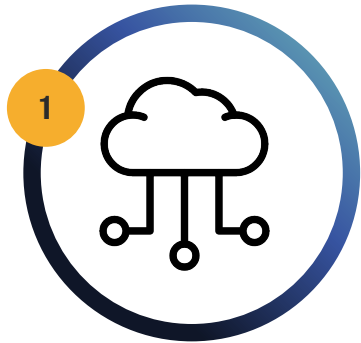
- ✓ Uploading
- ✓ Extracting text
- ✓ Cleaning text
- ✓ Extracting entities
- 5 Completed**

Demo

The screenshot shows a web application interface for document analysis. At the top, there is a dark blue header with the text "Click and drag to upload". Below this is a progress bar with five stages: "Uploading" (completed), "Extracting text" (active), "Cleaning text" (pending), "Extracting entities" (pending), and "Completed" (pending). The main area is titled "Upload a document" and features a large light gray box with a document icon and the text "Click or drag file to this area to upload". Below the upload area, a file name "Document Sample (2023-01-01 00:00:00).pdf" is displayed, along with a "Trade License Deleted" label and an "Analyze" button. The "Extracted Information" section shows "Recognized ASIN" with a value of "1 Year" and "2 items". A loading spinner is visible with the text "Loading the entities...". At the bottom, there is a footer that reads "Powered by Amazon Rekognition".

Technical Details

IDP solution can be installed on:



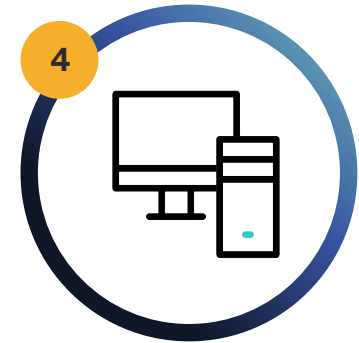
Public cloud
(shared or dedicated)



Private cloud
(online or offline)



On-premise
(offline)



On-device

Differentiators

NeuralSpace USP:



Language Support
Document processing for 100+ languages and mixed language documents



Maintenance and Support
Provision of UI, intelligent search, new template addition and more



Precision
Spun from a research lab, NeuralSpace's team of research scientists focus on accuracy and precision



Data Ownership
Available to deploy on dedicated/private clouds and on-premise

Case Study

Problem:

- Largest **bank in the UAE** needed an efficient way to scan passports, ID cards, trade license and other documents to extract key information
- They would record the information (address, D.O.B, etc) manually on their system.
- The information is in differing documents, formats, and even handwriting which led to manual error and slow processing

Requirement:

- An end-to-end system that uses OCR + NER to automate this document verification process, on-premise for data privacy

NeuralSpace solution:

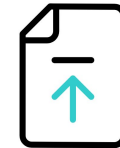
- Utilise 2 components of the NeuralSpace platform
- OCR → NER → Centrally recorded information
- Solution able to add unlimited additional document types
- Deployed on-premise

Solution currently **live and processing 3m documents** per year

Neural  Space



Bank



Upload



Processing



Secured



Thanks



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