CardInfo Extractor

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CODE FOR INDIA FOUNDATION
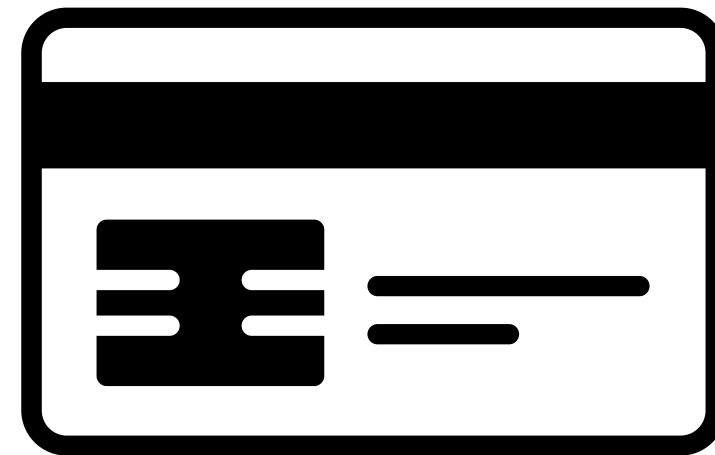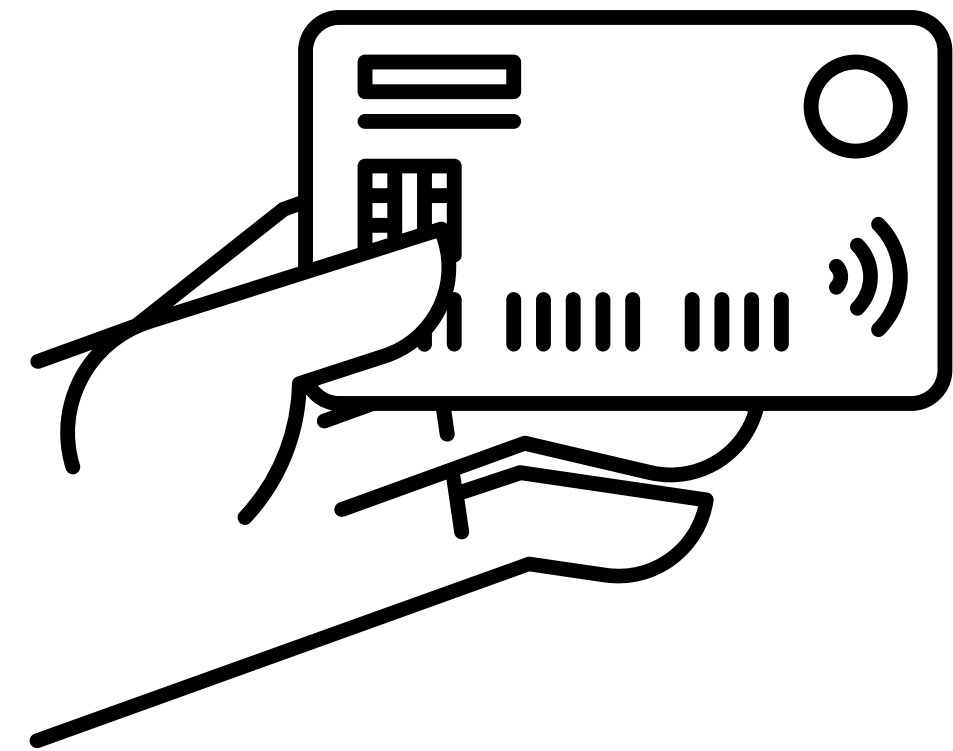
The Problem

In certain situations, the need to swiftly extract vital information from card images, such as credit cards or identification cards, becomes crucial. However, the existing methods for this task are often slow and inefficient, involving manual steps or lacking the speed and precision required for quick and accurate data retrieval. This inefficiency presents challenges, particularly in scenarios like online transactions or identity verification processes, where timely access to information is essential.

Introducing CardInfo Extractor

CardInfo Extractor is a new approach to information extraction from card images. Utilizing AI, the system swiftly retrieves key details like card numbers and expiry dates from various cards, ensuring efficiency in processes such as online transactions and identity verification.

Python Libraries & Tools Used

cv2 (OpenCV)

01

A machine learning library that provides tools and functions for image and video analysis, including image processing, object detection, and feature extraction.

Tesseract-OCR

02

Tesseract OCR (Optical Character Recognition) is an open-source software developed by Google. It is designed to recognize text in images and convert it into machine-readable text

Spacy

03

A natural language processing (NLP) library in Python designed for efficient and high-performance text processing.

Regex Expression

04

A powerful string-matching pattern used in programming. Libraries like re in Python leverage regex expressions to search, match, and manipulate text based on specific patterns.

Thank you

- **My Journey at CFI**

- **Gratitude to everyone who supported me on this journey!**