Truocr: AI-Powered OCR Text Extraction Software

Truocr is an advanced AI-based OCR (Optical Character Recognition) software designed to automate the extraction of text and key-value pairs from various documents such as invoices, receipts, insurance policies, and more, Truocr converts unstructured text from image documents into structured, machine-readable formats like JSON.

With its powerful AI capabilities, Truocr eliminates the need for manual data entry and helps organizations process documents faster, more accurately, and efficiently.

How Truocr Works

Truocr utilizes OCR technology and AI-powered models to identify, extract, and organize text from document images and pdfs. The process involves:

- **OCR Text Extraction**: Truocr reads text from images using the and converts images of text into machine-readable text.
- **Key-Value Pair Identification**: Truocr's AI models automatically detect key data points, such as invoice numbers, dates, and amounts, and organizes them into structured key-value pairs.
- **Structured Output**: Extracted data is presented in JSON format, making it easy to integrate with other applications for further processing or analysis.

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5. Using Truocr

Uploading Documents

1. Launch Truocr and open the user interface.
2. Click **Upload Document** and select an image file (JPEG, PNG, PDF, etc.).
3. Truocr supports uploads for processing document and download extracted json file.

Extracting Key-Value Pairs

Once the document is uploaded, Truocr will automatically:

- Recognize the text using OCR.
- Extract key-value pairs such as dates, amounts, and invoice numbers.

6. Supported Document Types

Truocr is optimized for the following types of documents:

- **Invoices**
- **Receipts**

- **Insurance Policies**
- **Bills**
- **Contracts**
- **Forms**

Other document types may also be supported, though accuracy may vary depending on formatting and structure.

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7. Troubleshooting

Common Issues and Fixes:

1. **OCR is not extracting text correctly:**
   - Ensure the image quality is good.
   - Check if the document is rotated. Need to do manual adjustment.
2. **Key-value pairs are not being extracted properly:**
   - Make sure the document layout is clear and free from excessive noise (such as stamps, handwritten notes).
   - Ensure that the AI model has been properly trained for the specific document type.
3. **Large files cause the system to crash:**
   - Break larger files into smaller batches for processing.
   - Increase the available memory by adjusting system resources or upgrading the hardware.