DeepDoctation

This web app transforms images into editable HTML forms, granting complete control over images, text, and tables for a user-friendly experience.



(a) Policy Schedule (Policy Certificate)

Proposer Name		VEMURI VLIAYA KUMAR					Policy No.		4128/HSHA/100257428/05/000			
Address		PLOT NO. 23, PHASE-1, SANCHARPURI COLONY, NEW BOWENPALLY, HYDERABAD,					Period of Insurance		From 00:00 hrs 07-Mar-2022 To 23:59 hrs 06-Mar-2023			
			WGANA.	500011			Policy Tenure		1			
Contact No.		8008989037					LAN No.		NA.			
Email Address		VEMURIVLIAY@GMAIL.COM					Policy Issuing Office		Probhadevi			
Nominee Name							Policy Issued On		19-Feb-2022			
Relationship With Policyholder										IA/100257428/04/000		
Appointee Name							Nominee Age NA					
GSTIN Number (Customer)							Servicing Branch Name Murrit		Mumbai	rmboi		
Servicing Branch Address		SAVA		ARG, N	EAR SIC	VEER ODHI VINAYAK IADEVI, MUMBAI,	Invoice Number		1002221326646			
Insured's Name(s)	Date of Birth	Age		e of sing	Gender	Relation With Proposer	Annual Sum Insured (7)		existing ss/ Injury	Optional Add-on Cover*	Special	
VEMURI VLIAYA KUMAR	31-Oct-1968	53 -	03-M	r-2010	Male	SELF	700000		None	None	None	
		Pl	n Detail									
		dditional Sum Insured (T)		Sub-l	Sub-limit Voluntary Deductible		GSTIN Reg. No	HSN/SAC code		vide de CSD2322021	The stamp duty of ₹1 pa vide deface n CSD222202184 data	
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Click or Scan QR Code for Customer Information Sheet and Policy Wordings



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ICICI Lombard General Insurance Co.				
PICA Reg. No. 115 Making Address:	City LET200AH-0000PLC129408 Registered Office:	ICICI Lombard Complete Health Insurance Tall Fee no.: 1800 2666	UN - ICHUP22896/962122	
ICICI Lombard Deneral Insurance Company Limited, Interface Statisting No.: 10, 601 / 602, 6th Floor, New		Allervale No.: +919555 222 656 (sharpester) Email: outonersupport@ccionbert.com		
Link Road, Malad (Med), Murrow - 600 064.	Tempe, Prothedevi, Mundai - 400 025			17



This is made of 3 parts



Text

2.

Image

3.

Table/layout

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       Servicing Branch Address 414, KIKTLOMBARD HOUSE, VEER
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O Text

OCR.py



This program utilizes OpenCV and Tesseract for image processing and text extraction.



The front-end is developed with HTML, CSS, and jQuery, offering an editable HTML form from an input image.

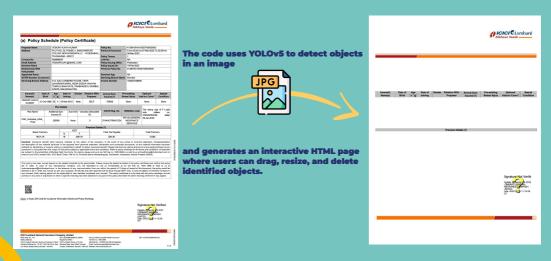


Tech stack: OpenCV, Tesseract, jQuery, jQuery UI, HTML, CSS, JavaScript

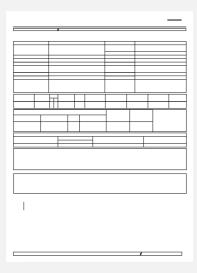


02 Images

Images.py

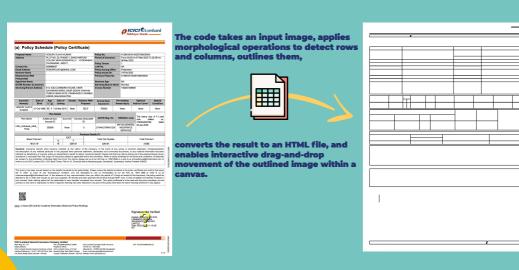


Tech stack: YOLOv5, Torch, PIL, jQuery, jQuery UI



03 Layout

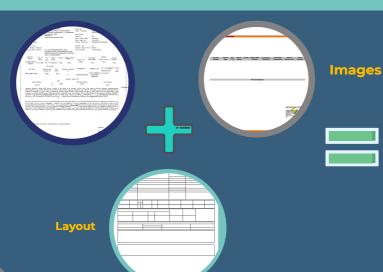
Layout.py



Tech stack: OpenCV, NumPy, Base64, HTML, JavaScript

Final Result

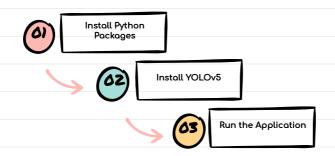
Text





Editable HTML Form

Getting Started



Python Packages

FLASK OPENCYPYTHON
PANDAS

PANDAS

PILLOW

TORCH

Install YOLOv5

git clone https://github.com/ultralytics/yolov5.git

cd yolov5

pip install -U -r requirements.txt

save the best.pt file in the STATIC directory inside the yolov5 folder

Images.py

```
import torch
from PIL import Image
import os
import pandas as pd
                                                                    Replace with full path of
def perform_object_detection(image_path):
                                                                   best.pt
    # Load YOLOv5 model
    model = torch.hub.load('ultralytics/yolov5', 'custom', 'Replace With Best.pt Path')
    # Load the image using PIL
    img = Image.open(image path)
```

Run the Application

python App.py

http://127.0.0.1:5000/

App.py





Editable HTML Form

Improvement



Future Development

Text Enhancement: Al-driven font style detection for adaptive text modifications.

Table/Layout Enhancement: Empowering table detection for dynamic transformations, enabling user-driven column and row additions/removals.

Summary

Transform images to editable HTML effortlessly, providing full control over text, layout, and images for an enhanced user experience

THANKS!

Do you have any questions? itguykunal@gmail.com +91 7903824329