**8. Demo - Image and Video based ML tasks**

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import boto3

import os

image\_path = 'driving\_license.jpg'

aws\_region = 'your\_aws\_region'

try:

    rekognition = boto3.client('rekognition', region\_name=aws\_region)

    if not os.path.exists(image\_path):

        print(f"Error: Image file not found at {image\_path}")

    else:

        with open(image\_path, 'rb') as image\_file:

            image\_bytes = image\_file.read()

        print(f"Analyzing document: {image\_path}")

        response = rekognition.analyze\_document(

            DocumentPages=[

                {

                    'Bytes': image\_bytes

                },

            ],

            FeatureTypes=['FORMS']

        )

        print("-" \* 20)

        print("Extracted Information:")

        def get\_text(block\_id, blocks):

            for block in blocks:

                if block['Id'] == block\_id:

                    return block.get('Text', '')

            return ''

        block\_map = {block['Id']: block for block in response['Blocks']}

        for block in response['Blocks']:

            if block['BlockType'] == 'KEY\_VALUE\_SET':

                if 'Relationships' in block:

                    for relationship in block['Relationships']:

                        if relationship['Type'] == 'VALUE':

                            key\_id = block['Id']

                            value\_id = relationship['Ids'][0]

                            key\_text = get\_text(key\_id, response['Blocks']).upper()

                            value\_text = get\_text(value\_id, response['Blocks'])

                            if 'NAME' in key\_text:

                                print(f"Name: {value\_text.strip()}")

                            elif 'DATE OF BIRTH' in key\_text or 'DOB' in key\_text:

                                print(f"Date of Birth: {value\_text.strip()}")

                            elif 'LICENSE NUMBER' in key\_text or 'DL NO' in key\_text:

                                print(f"License Number: {value\_text.strip()}")

except Exception as e:

    print(f"An error occurred: {e}")