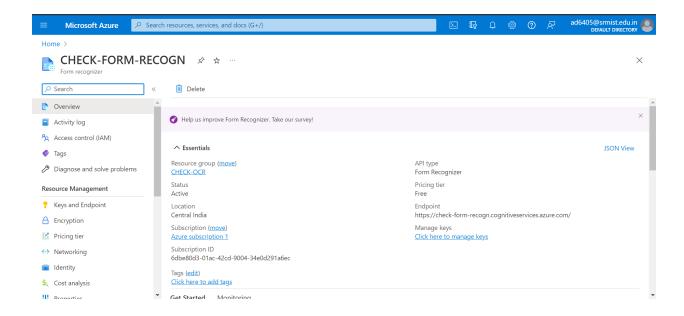


## **Check OCR project implementation**

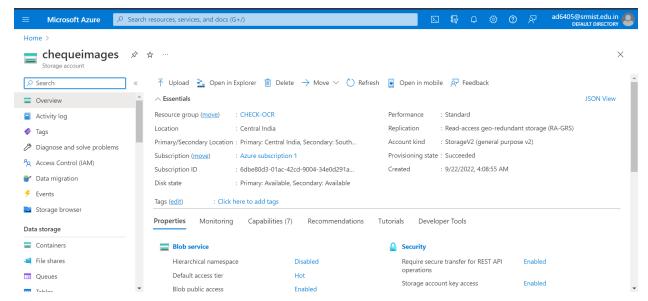
27.09.2022

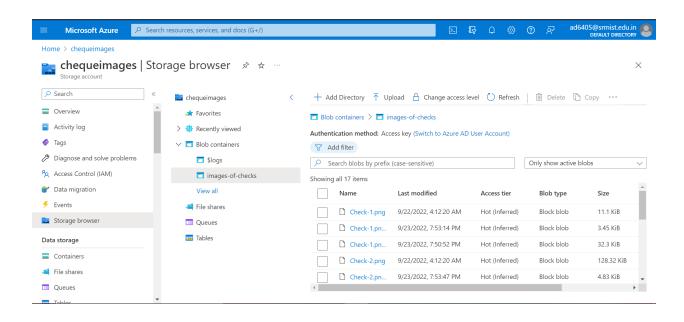
Aditya Dixit Sruthi Sreekumar Bhanu M prakash 1) Create a Microsoft Azure account and subscribe to Form Recognizer service provided by Microsoft Azure.



You will get a dashboard like this. From this dashboard you can get your endpoints to provide in the project code.

2) Create a Storage blob container provided by azure services and upload the check images to train the custom model on your dataset.

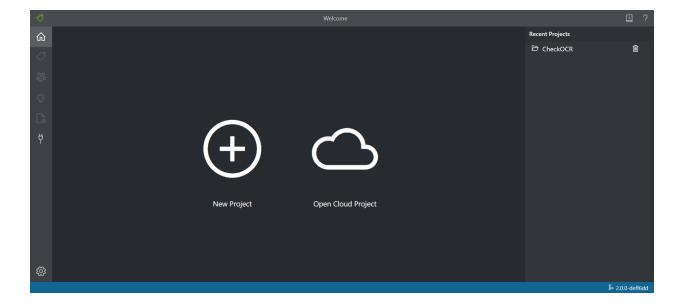


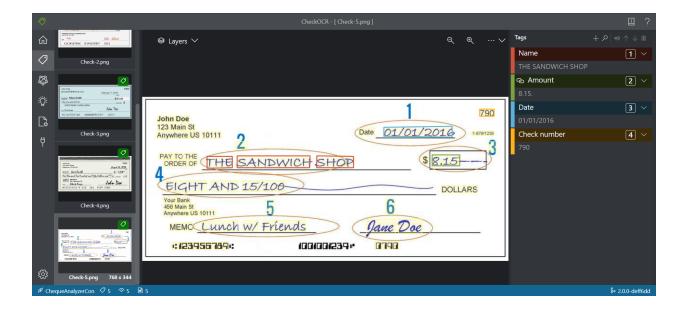


You will get a dashboard similar to this.

Now to train your custom model go to fott.azure and make a new project.

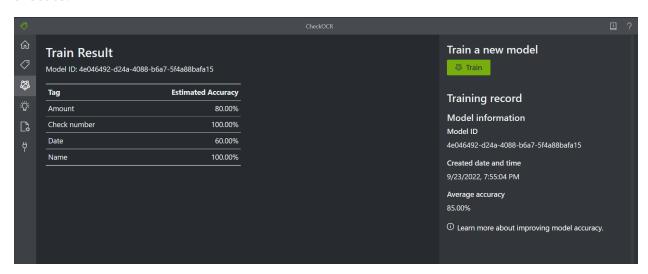
Connect with your Storage account of azure and start labeling the data.





After labeling all the images, train your model in the training tab.

After training the model you will get a model-id which you use in the API call code to execute.



3) Install all the required libraries for the code like streamlit, azure etc.

```
from email.mime import image

from tabnanny import check

import streamlit as st

import json

import time
```

```
from azure.core.credentials import AzureKeyCredential
from azure.ai.formrecognizer import DocumentAnalysisClient
import matplotlib.image as mping
from matplotlib import pyplot as plt
from PIL import Image
import numpy as np
import PIL
import cv2
```

```
Designation_Number=final_String[final_String.find(""",final_String.find(""")+1)+1:final_String.find(""",final_Strin
       st.text input(label="Bank Code", value=Bank Code)
```

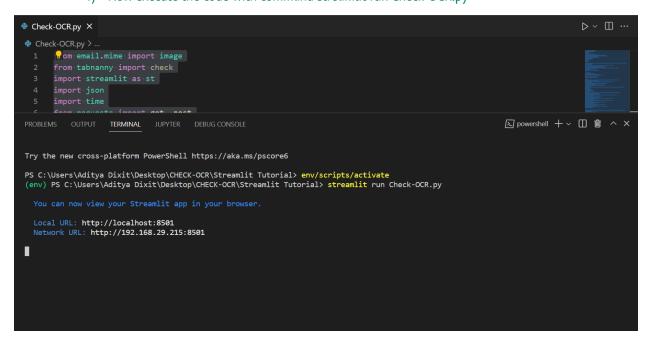
```
uploaded_file = st.file_uploader("Choose a image file",type='png')
if uploaded_file is not None:
    image = uploaded_file.read()
    img = st.image(image, caption='Your Bank check', use_column_width=True)

if uploaded_file is not None:
    with open(os.path.join("C:/Users/Aditya Dixit/Desktop/CHECK-OCR/Streamlit Tutorial","test.png"),"wb") as f:
        f.write(uploaded_file.getbuffer())

if uploaded_file is not None:
    my_func(image)

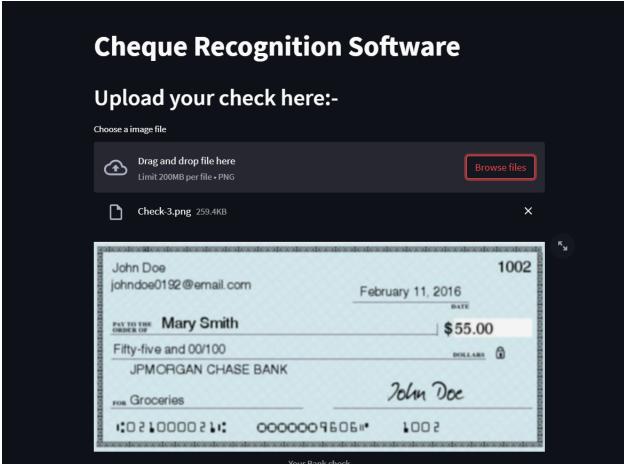
if uploaded_file is not None:
    readModel()
```

4) Now execute the code with command streamlit run Check-OCR.py



## **OUTPUT:-**





	Your Bank check
Name	
Mary Smith	
Amount	
55.0	
Check Number	
1002	
Date	
February 11, 2016	
Routing Number	
021000021	
Account Number	
0000009606	