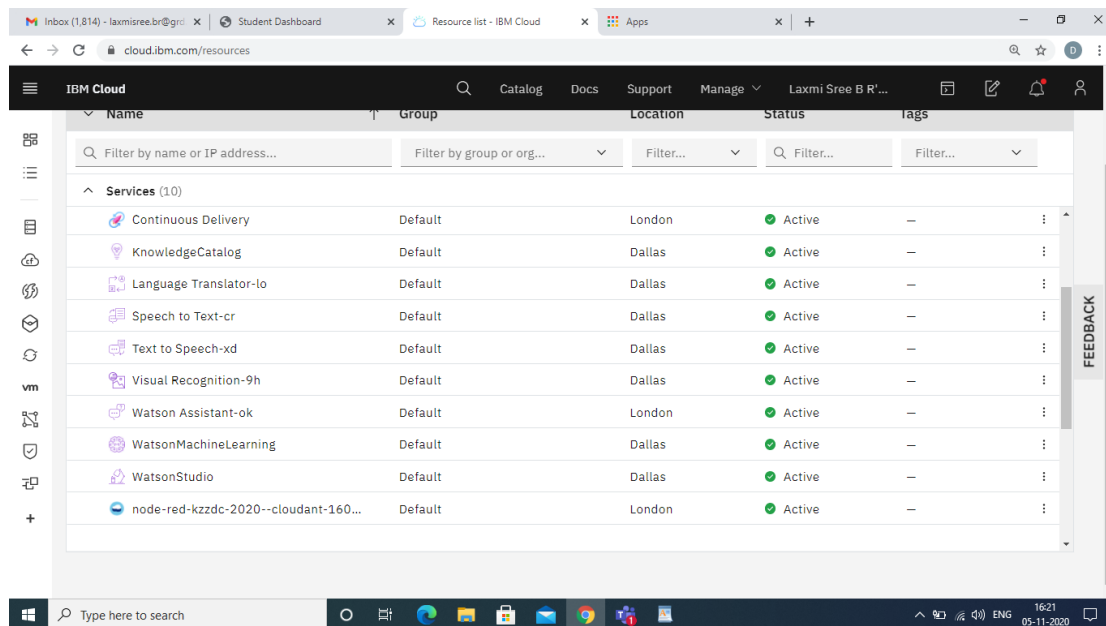


# Project title: Intelligent Access Control System for Safety Critical Areas using IBM IoT Platform

By: B.R.Laxmi Sree

## Screenshots

1. Created the required services IBM visual recognition service, text to speech service, node-RED service and bucket in COS.



Resource list / Cloud Object Storage-8n Active Add tags Aspera transfers Details Actions...

Getting started

**Buckets**

Endpoints

Service credentials

Connections

Usage details

Plan

Prefix filter

Create bucket

Name	Public access	Location	Storage class	Created	Attributes
safereye-donotdelete-pr-fg0b0mh5egdspw		us-geo	Standard	13/10/2020 16:03:48	<a href="#">View</a>
scabucket	Public	ap-geo	Standard	11/10/2020 12:13:27	<a href="#">View</a>

Items per page: 10 1-10 of all items

page 1

## 2. Visual recognition model trained to identify helmet and shoes:

IBM Cloud Pak for Data

Projects / SafeEye / New-Collection

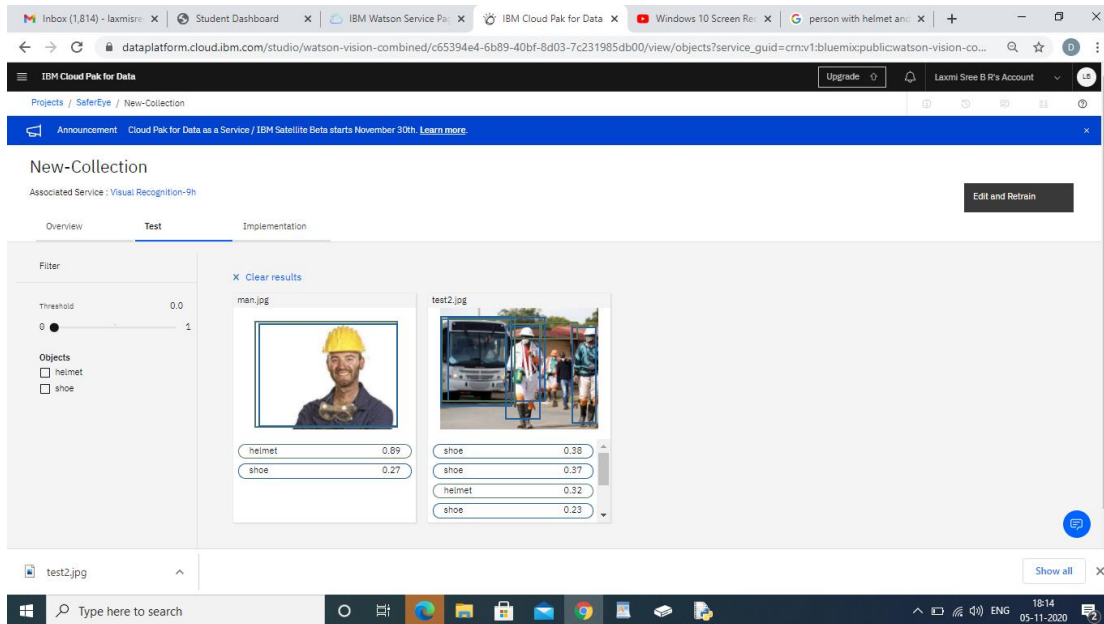
Overview

Summary

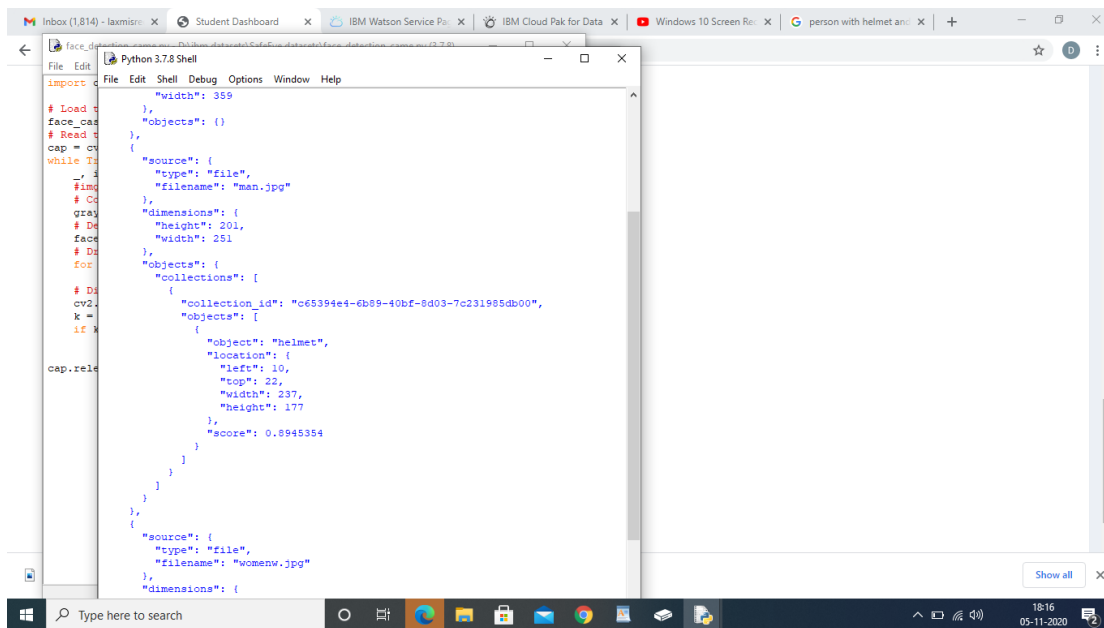
Model ID	c65394e4-6b89-40bf-8d03-7c231985db00
Model Type	Object detection
Status	Not Training
Ready for use	Yes
Data changed since last train	No
Created on	13/10/2020, 16:56:33
Updated on	13/10/2020, 17:33:52
Number of images	29

Objects

OBJECT	NUMBER OF EXAMPLES
helmet	15
shoe	14



### 3. Object detection output:

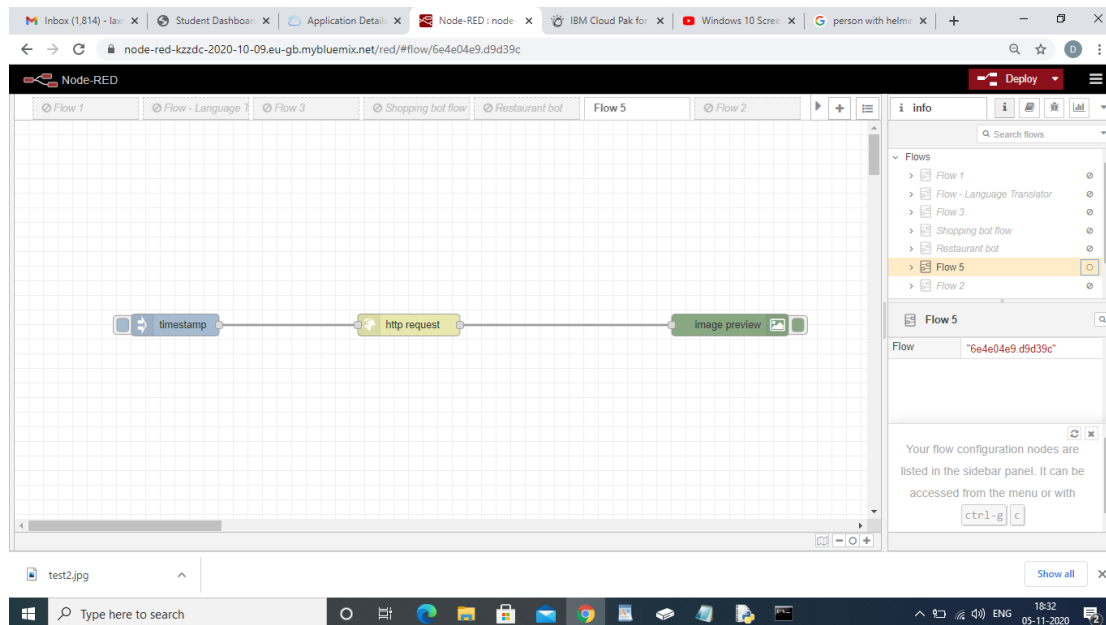


### 4. Code to upload images to IBM COS bucket: fileupload1.py

### 5. Text to speech code:

```
curl -X POST -u "apikey:3gtCYU4BE3N22yuTOtWQ506s7JFN8NDyctnPCSzFWwG" --header "Content-Type: application/json" --header "Accept: audio/wav" --data '{"text\\":\\"hello world\\"}' --output hello_world.wav "https://api.us-south.text-to-speech.watson.cloud.ibm.com/instances/756ae10f-b4f8-4401-a9d2-431daf4ea5cc/v1/synthesize"
```

## 6. Node-RED flow status:



## 7. Status in design of mobile app in MIT App Inventor

