

AI-based localization and classification of skin disease with erythema

TEAM ID: PNT2022TMID53472

ABISHEK V

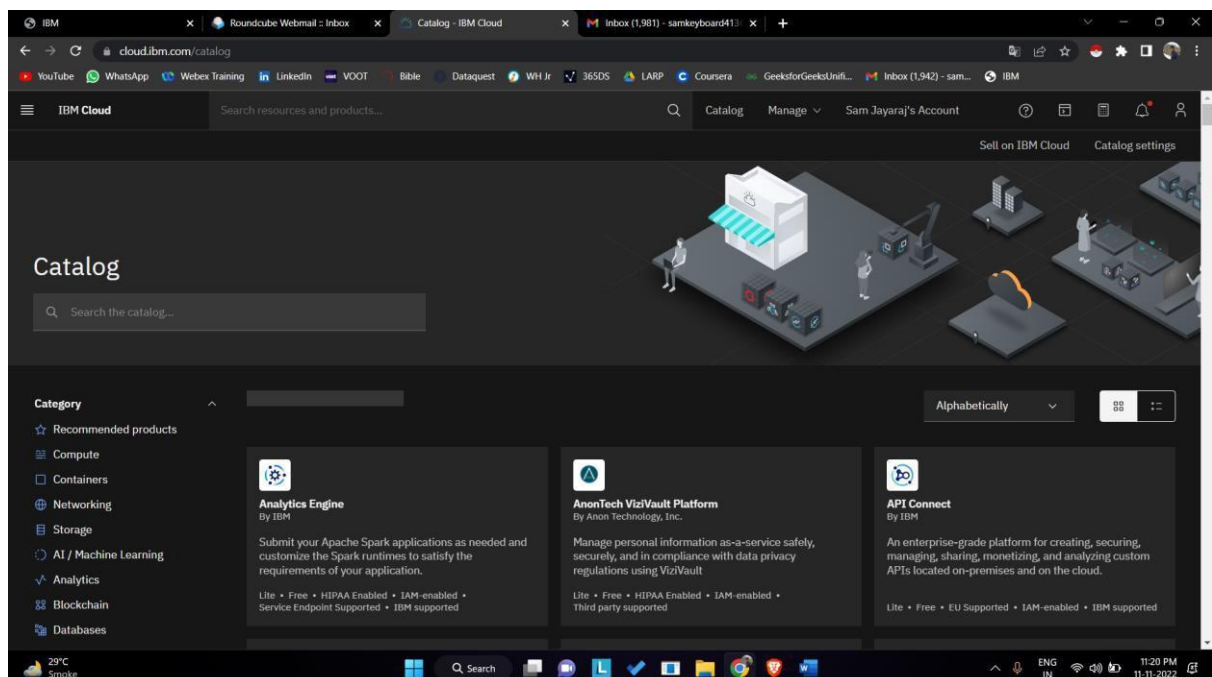
BHUVANESHWARI

JAISURYA S

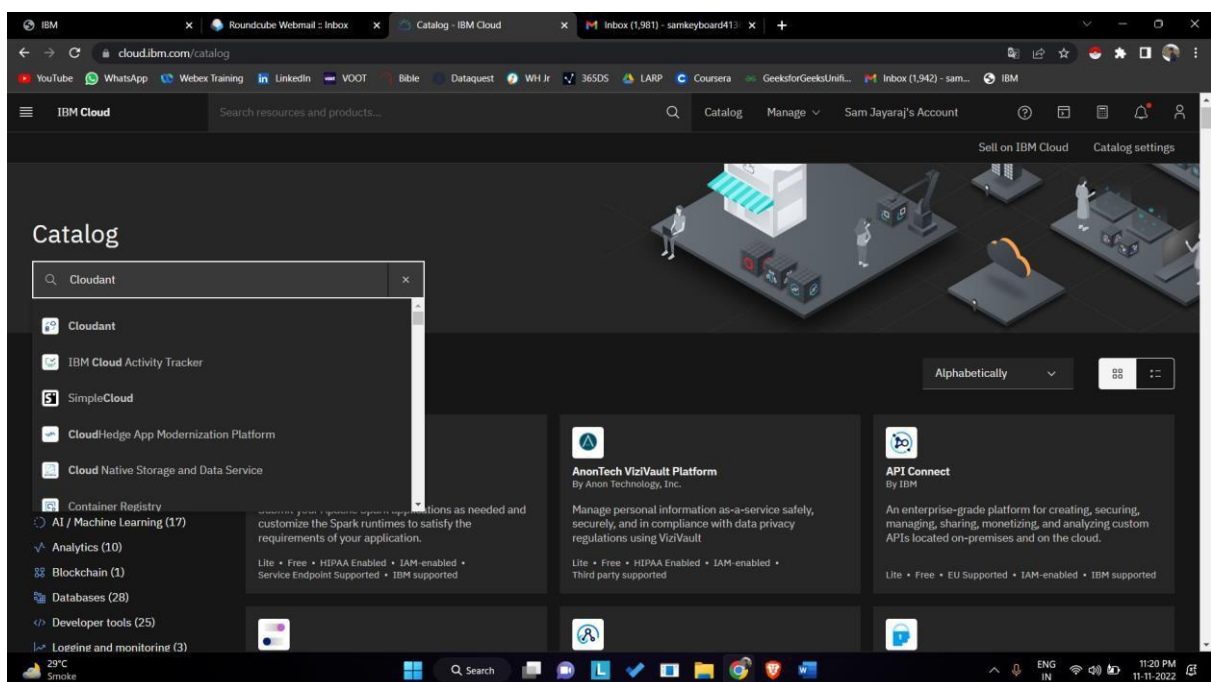
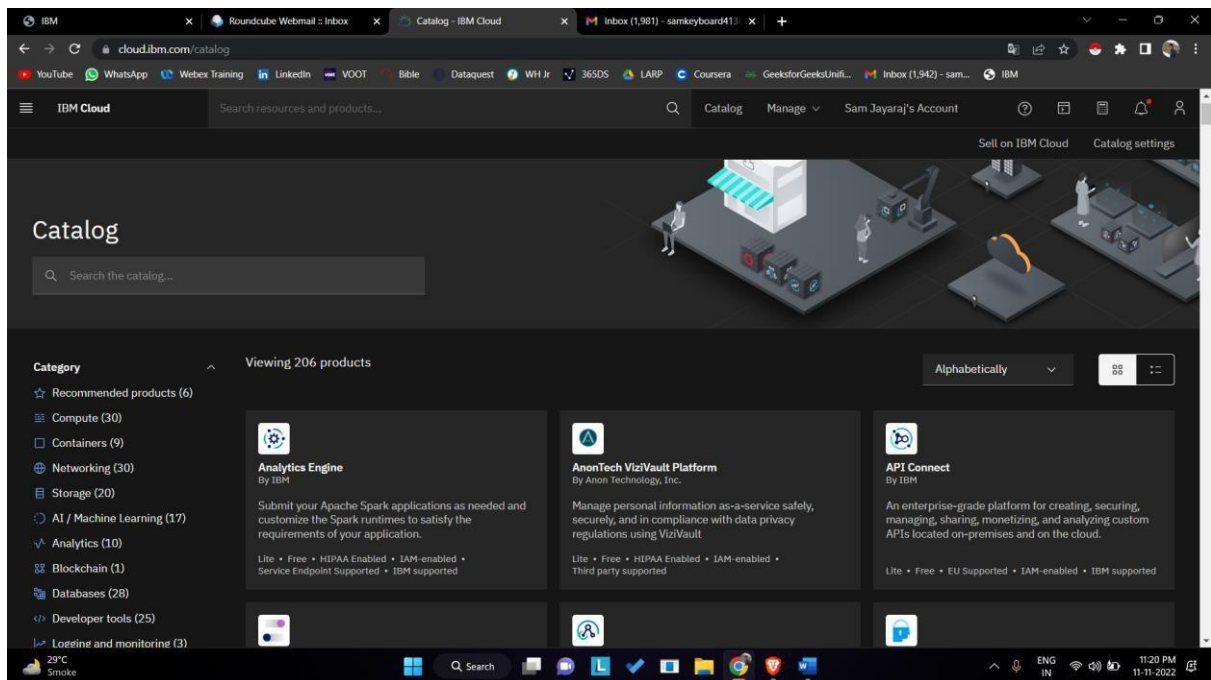
MAGESH S

Cloudant DB

First, we have registered to IBM Cloud.



Creating service instance



IBM Cloudant - IBM Cloud

Get started on Cloudant with 600 USD in cloud credits. Apply code CLOUDANTFREE600 to get started now.

Catalog / Services /

Cloudant

A scalable JSON document database for web, mobile, IoT, and serverless applications.

Create About

Select an offering

Cloudant

IBM Cloudant is a fully managed JSON document database that offers independent serverless scaling of throughput capacity and storage.

Lite plan available

Select an environment

Multitenant Dedicated

Create

Add to estimate

Summary

Cloudant Lite	Free
20 Reads/sec	Free
10 Writes/sec	Free
5 Global Queries/sec	Free
1 GB Storage	Included

IBM Cloudant - IBM Cloud

cloud.ibm.com/catalog/services/cloudant?bss_account=b5a644421c4643e589499445fe912621

IBM Cloud Search resources and products...

Multitenant Dedicated

Your instance will be running securely on environments with shared resources.

Available regions

Dallas

Configure Cloudant instance

Instance name

Cloudant-cd

Tags

Examples: env/dev, version:1

Authentication method

IAM

Plan

Lite Standard

Service created

The service might take time to provision. You are being redirected to the resource list now.

Create

Add to estimate

Summary

Cloudant Lite	Free
20 Reads/sec	Free
10 Writes/sec	Free
5 Global Queries/sec	Free
1 GB Storage	Included

Resource list activation

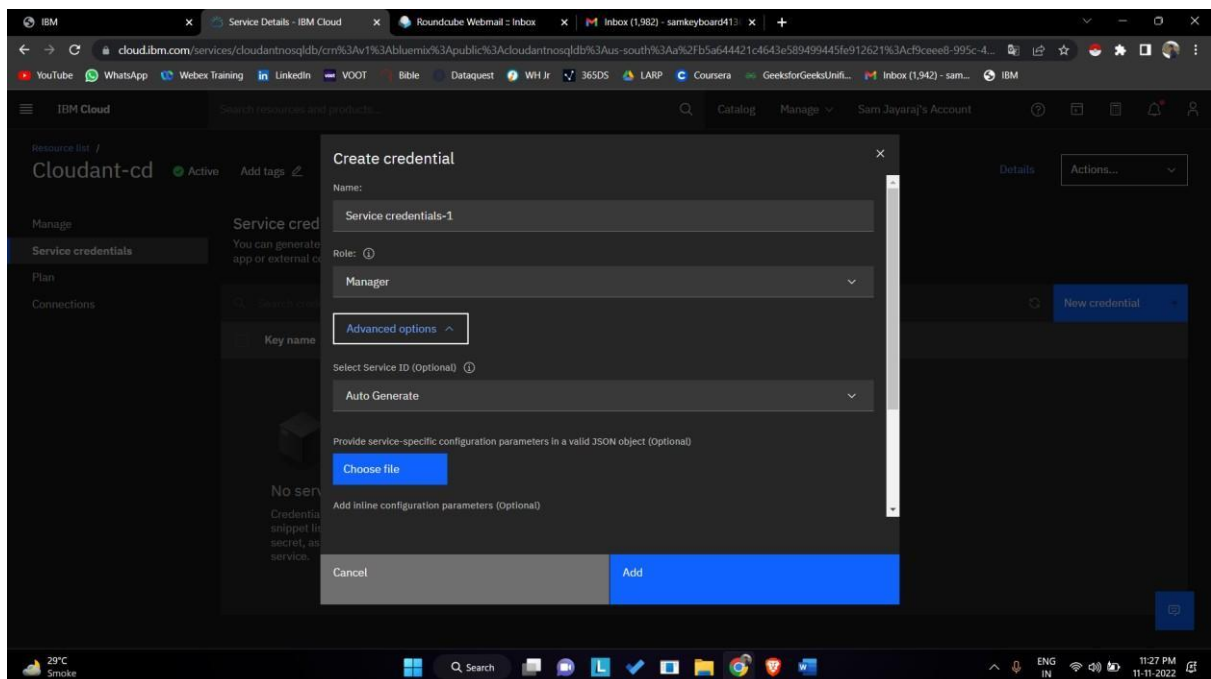
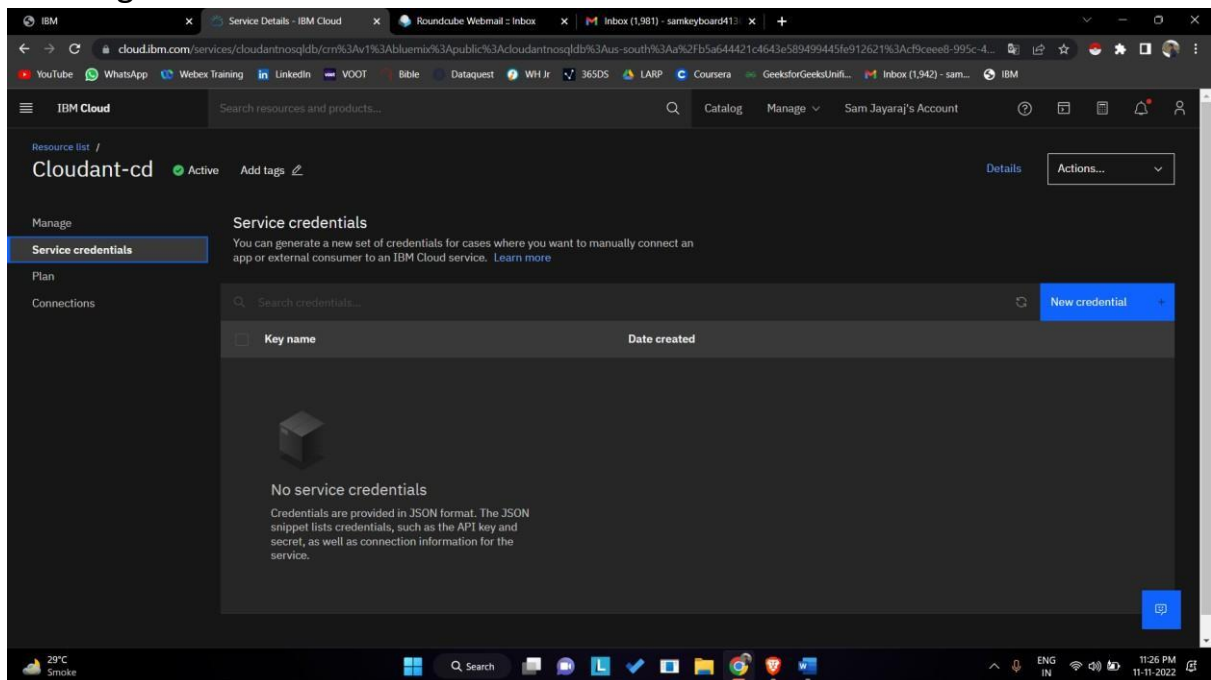
The screenshot shows the IBM Cloud 'Resource list' page. The table lists various resources, with 'Cloudant-cd' being the active resource. The status is 'Active' and the location is 'Dallas'.

Name	Group	Location	Product	Status	Tags
Cloudant-cd	Default	Dallas	Cloudant	Active	

The screenshot shows the 'Cloudant-cd' resource details page. The 'Overview' tab is selected, displaying deployment details.

Property	Value
CRN	crn:v1:bluemix:public:cloudantnosqldb:us-south-a/b5a644421c4643e589499445fe912621c9c0ee8-995c-436e-a8a5-9e22b119795::
Location	Dallas
External endpoint	https://2a26bfb3-2c4e-4c03-a4ba-7f3846f07b4f-bluemix.cloudant.com
External endpoint (preferred)	https://2a26bfb3-2c4e-4c03-a4ba-7f3846f07b4f-bluemix.cloudantnosqldb.appdomain.cloud
Authentication methods	IBM Cloud IAM
Activity Tracker event types	
Disk encryption	Yes. Automatically generated disk encryption key.

Creating Service Credentials



IBM Cloud interface showing the 'Service credentials' page for 'Cloudant-cd'. The page includes a sidebar with 'Manage', 'Service credentials', 'Plan', and 'Connections'. The main content area displays a table of service credentials with columns 'Key name' and 'Date created'. A 'New credential' button is visible in the top right corner of the table area.

Key name	Date created
Service credentials-1	2022-11-11 11:25 PM

IBM Cloud interface showing the 'Service credentials' page for 'Cloudant-cd'. The page includes a sidebar with 'Manage', 'Service credentials', 'Plan', and 'Connections'. The main content area displays a table of service credentials with columns 'Key name' and 'Date created'. A 'New credential' button is visible in the top right corner of the table area. The selected credential 'Service credentials-1' is expanded, showing its details in a JSON format.

Key name	Date created
Service credentials-1	2022-11-11 11:25 PM

```
{
  "apikey": "pEAvYVbtb3ypTZ-Iewj5_0kiQP-EKN26B487b2LA861",
  "host": "2a26bfb3-2c4e-4c83-a4ba-7f3846f07b4f-blumix.cloudantnosqldb.appdomain.cloud",
  "iam_apikey_description": "Auto-generated for key crn:v1:blumix:public:cloudantnosqldb:us-south:a/b5a644421c4643e589499445fe912621%3Ac9ceee8-995c-436e-a8a5-9c2b1f197995:resource-key:7bcc564d-7e0f-4eea-b03f-89bda002fe4",
  "iam_apikey_name": "Service credentials-1",
  "iam_role_crn": "crn:v1:blumix:public:iam:::serviceRole:Manager",
  "iam_serviceid_crn": "crn:v1:blumix:public:iam-identity:a/b5a644421c4643e589499445fe912621::serviceid:ServiceId-6d507c81-4f95-4205-9a44-04e105deef35",
  "url": "https://2a26bfb3-2c4e-4c83-a4ba-7f3846f07b4f-blumix.cloudantnosqldb.appdomain.cloud",
  "username": "2a26bfb3-2c4e-4c83-a4ba-7f3846f07b4f-blumix"
}
```


Launching Cloudant DB

The screenshot shows the IBM Cloud console interface. The top navigation bar includes the IBM logo, a search bar, and links to 'Catalog', 'Manage', and 'Sam Jayaraj's Account'. The main content area is titled 'Cloudant-cd' and is marked as 'Active'. A sidebar on the left contains links for 'Manage', 'Service credentials', 'Plan', and 'Connections'. The 'Overview' tab is selected, displaying 'Deployment details'.

Deployment details

CRN	crn:v1:bluemix:public:cloudantnosqldb:us-south:a/b5a644421c4643e589499445fe912621:c9ceee8-995c-436e-a8a5-9e22b1f19795::
Location	Dallas
External endpoint	https://2a26bfb3-2c4e-4c03-a4ba-7f3846f07b4f-bluemix.cloudant.com
External endpoint (preferred)	https://2a26bfb3-2c4e-4c03-a4ba-7f3846f07b4f-bluemix.cloudantnosqldb.appdomain.cloud
Authentication methods	IBM Cloud IAM
Activity Tracker event types	Management
Disk encryption	Yes. Automatically generated disk encryption key.

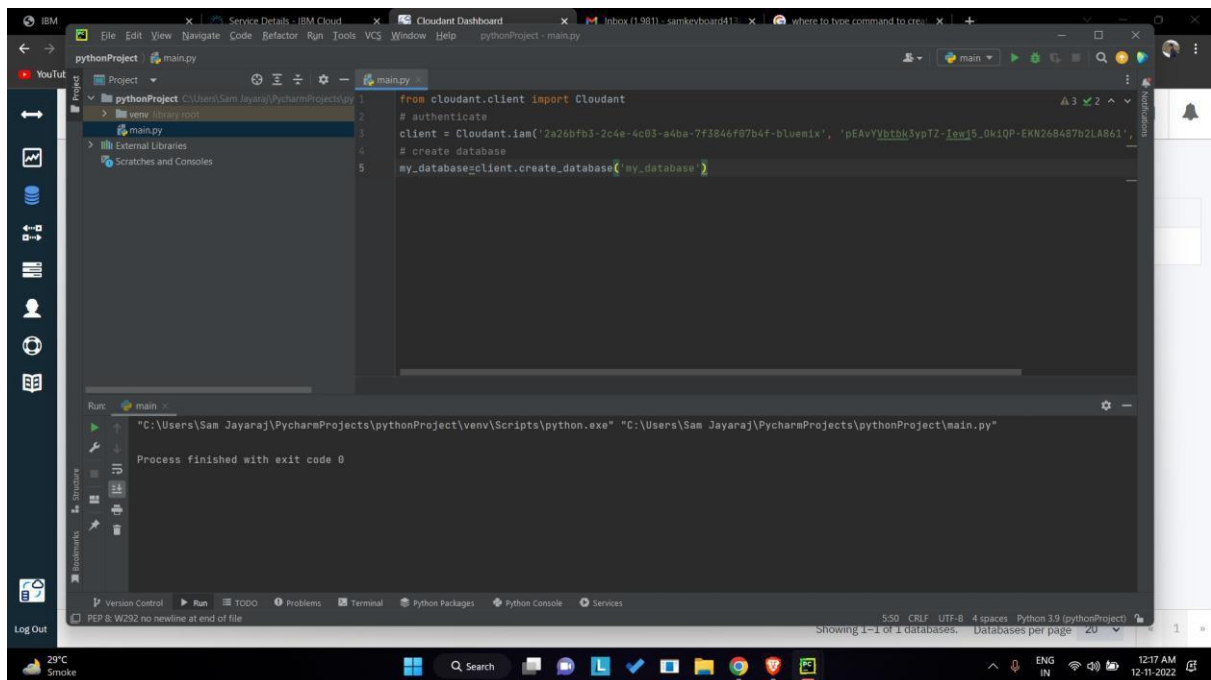
The screenshot shows the Cloudant Dashboard interface. The top navigation bar includes the IBM logo, a search bar, and links to 'Service Details - IBM Cloud', 'Cloudant Dashboard', 'Roundcube Webmail', and 'Inbox (1,982) - samkeyboard413'. The main content area is titled 'Databases' and features a 'Database name' dropdown, a 'Create Database' button, and a 'JSON' icon. A sidebar on the left contains links for 'Your Databases', 'Databases', 'Connections', 'Service credentials', 'Plan', and 'Log Out'.

Databases

Name	Size	# of Docs	Partitioned	Actions
------	------	-----------	-------------	---------

Showing 1-0 of 0 databases. Databases per page 20

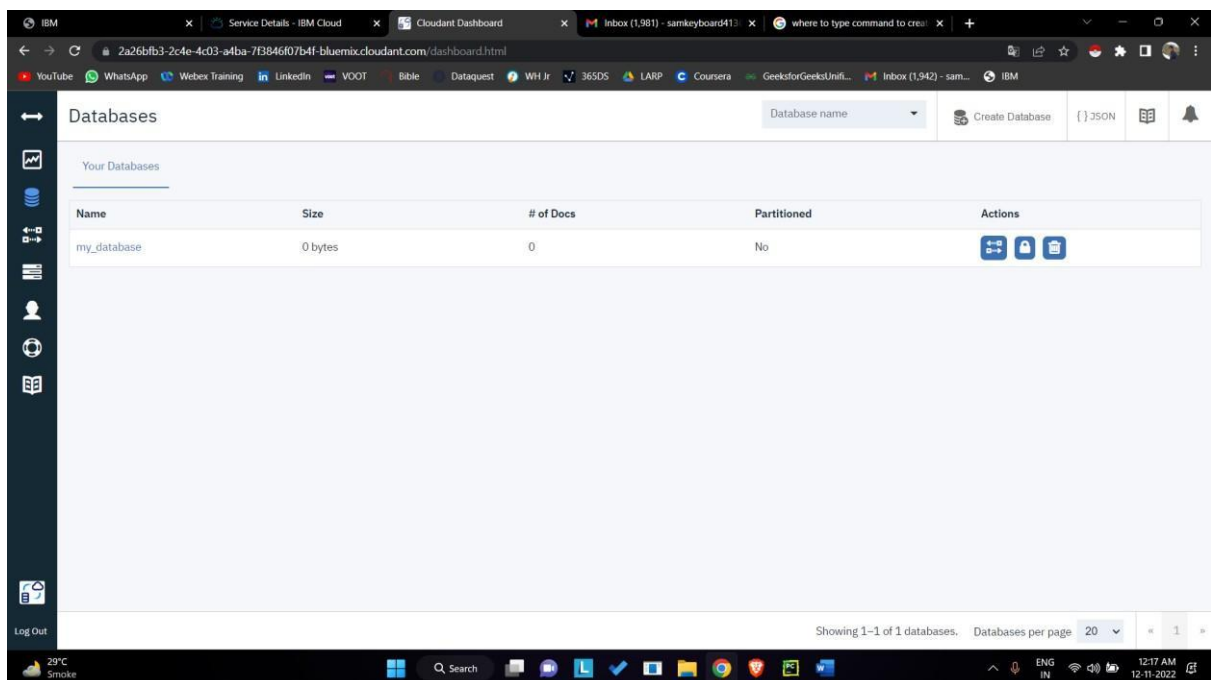
Creating Database



The screenshot shows the PyCharm IDE interface. The main editor window displays a Python script named `main.py` with the following code:

```
1 from cloudant.client import Cloudant
2 # authenticate
3 client = Cloudant.iam('2a26bfb3-2c4e-4c03-a4ba-7f3846f97b4f-blumix', 'pEavYYbtbk3ypTZ-Iem19_0k1QP-EKN26B487b2LA861')
4 # create database
5 my_database=client.create_database('my_database')
```

The Run tool window at the bottom shows the command executed: `"C:\Users\Sam Jayaraj\PycharmProjects\pythonProject\venv\Scripts\python.exe" "C:\Users\Sam Jayaraj\PycharmProjects\pythonProject\main.py"`. The output indicates: `Process finished with exit code 0`.



The screenshot shows the Cloudant Dashboard interface. The 'Databases' page displays a table with the following data:

Name	Size	# of Docs	Partitioned	Actions
my_database	0 bytes	0	No	+/- lock delete

The table shows one database named `my_database` with a size of 0 bytes, 0 documents, and is not partitioned. The 'Actions' column provides links to manage the database.