CREATE AN IBM WATSON IOT PLATFORM AND DEVICE
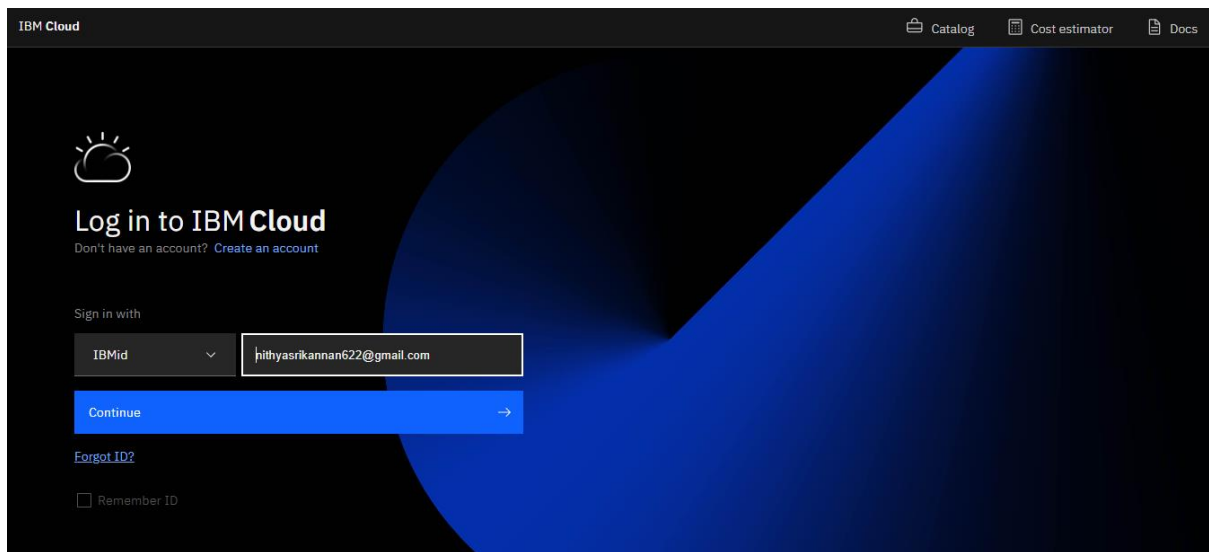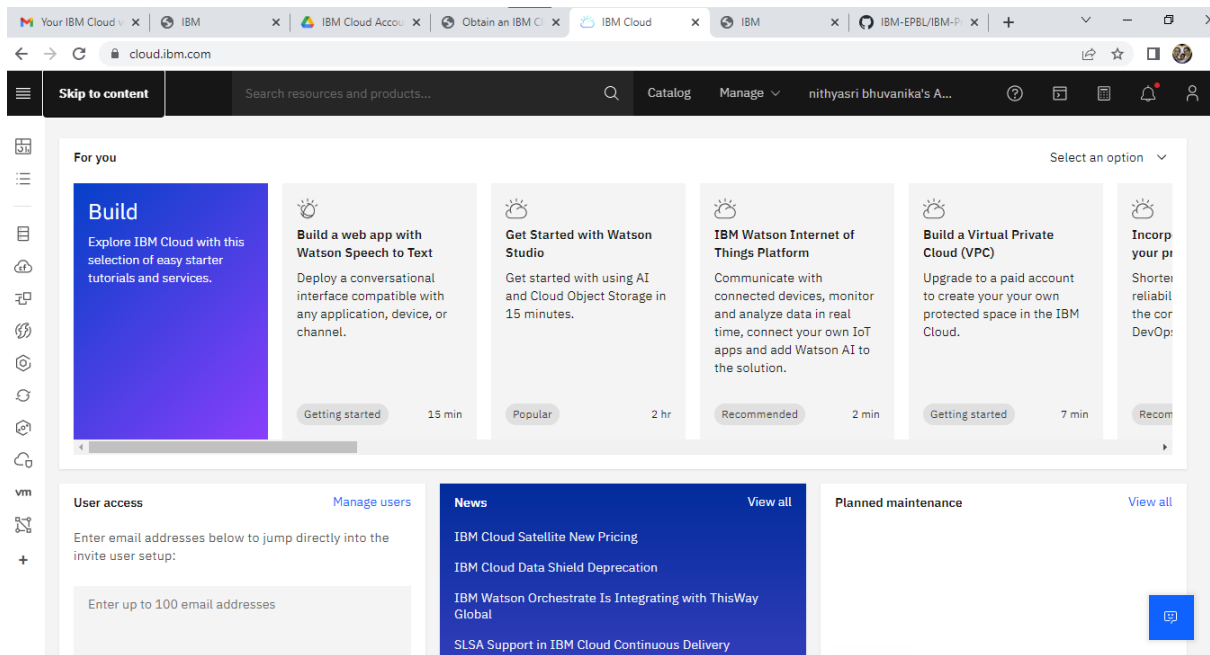## Team ID: PNT2022TMID48118

AIM:

To create the IBM Watson IoT platform and device.

STEPS:

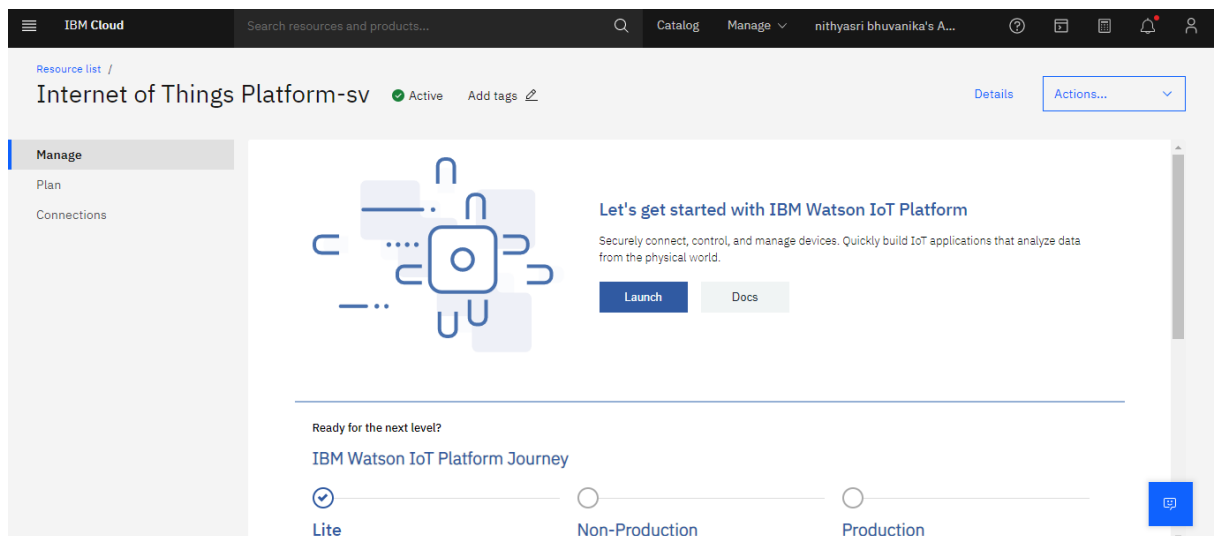1. Firstly create an IBM cloud account with IBMid and a password.

2. Home page of IBM cloud.

3.Internet of Things Platform Child_safety will be created, where there aredifferent options like manage, plan, and connection.

4.Clicking on the launch button in the manage tab, it will open to this.

IBMid

Welcome to multi-factor authentication enrollment

Choose the verification method or device that you want to add.

IBM Security Verify app

Verify with a simple tap on your iOS or Android device with the IBM Security Verify app.

Add Device

Authenticator app

The time-based, one-time access code that is generated by an authenticator app on your smart phone or tablet.
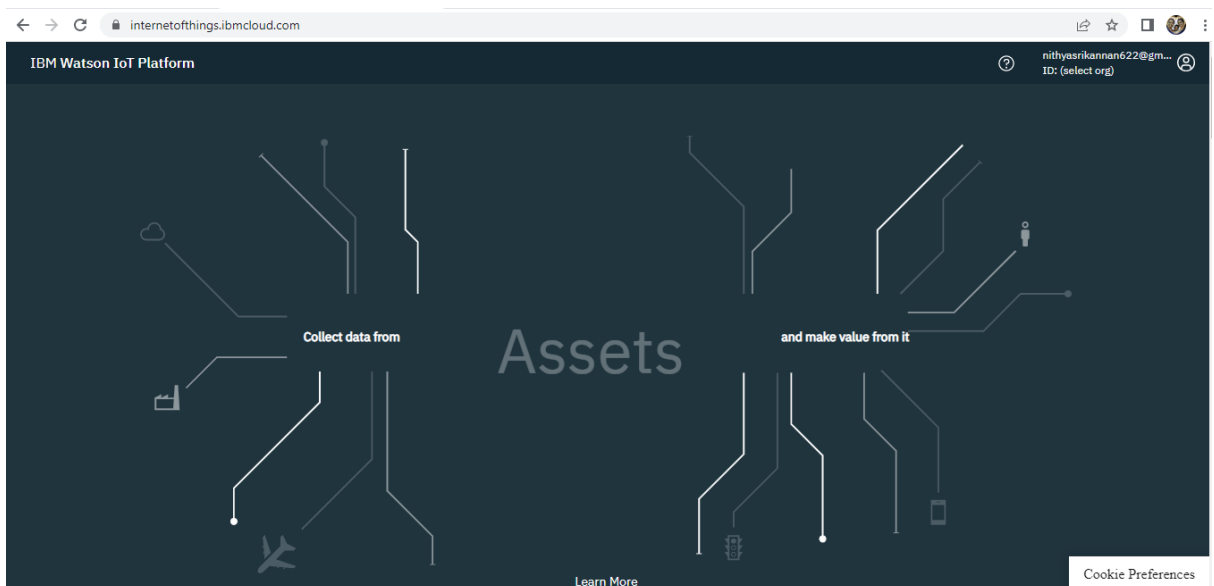
Setup

Email
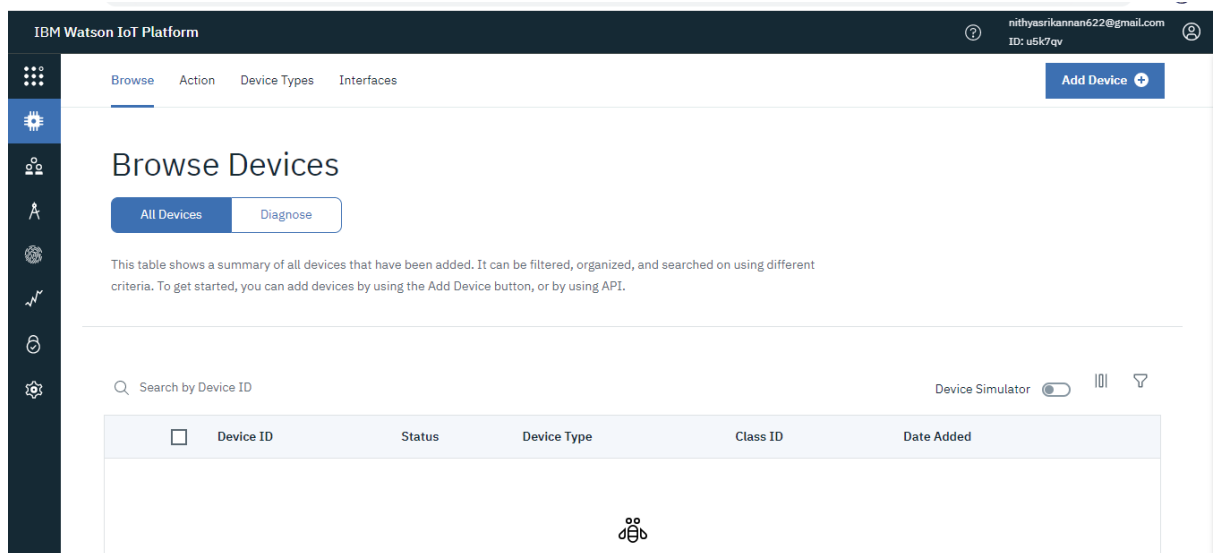
The one-time access code to sent to your email address.
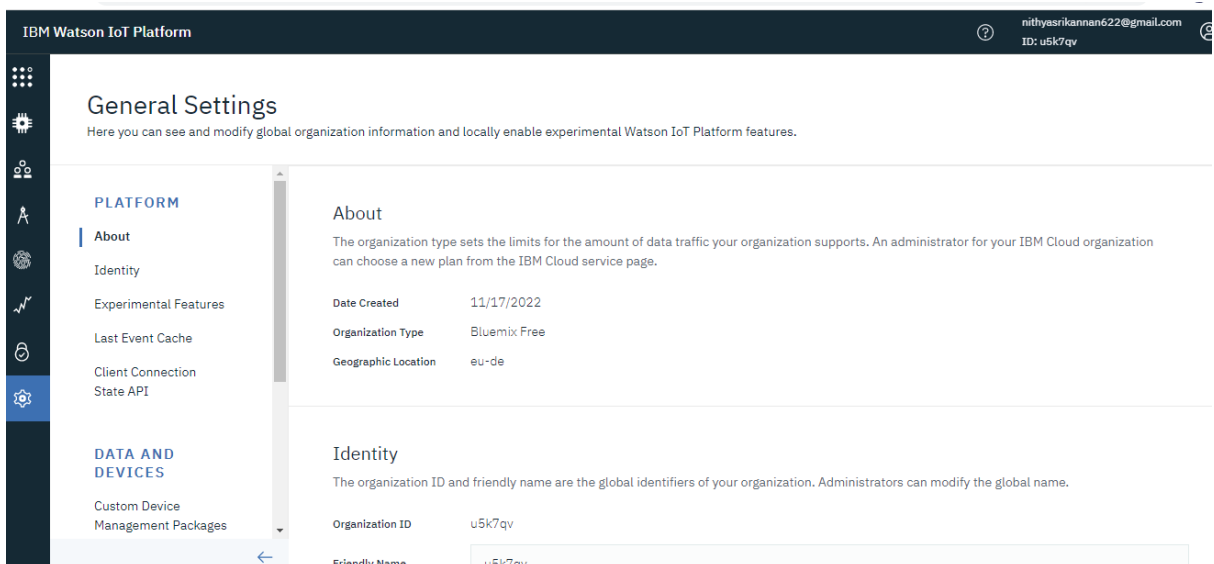
New email

5.Once login the name will be displayed and it goes back to the first page
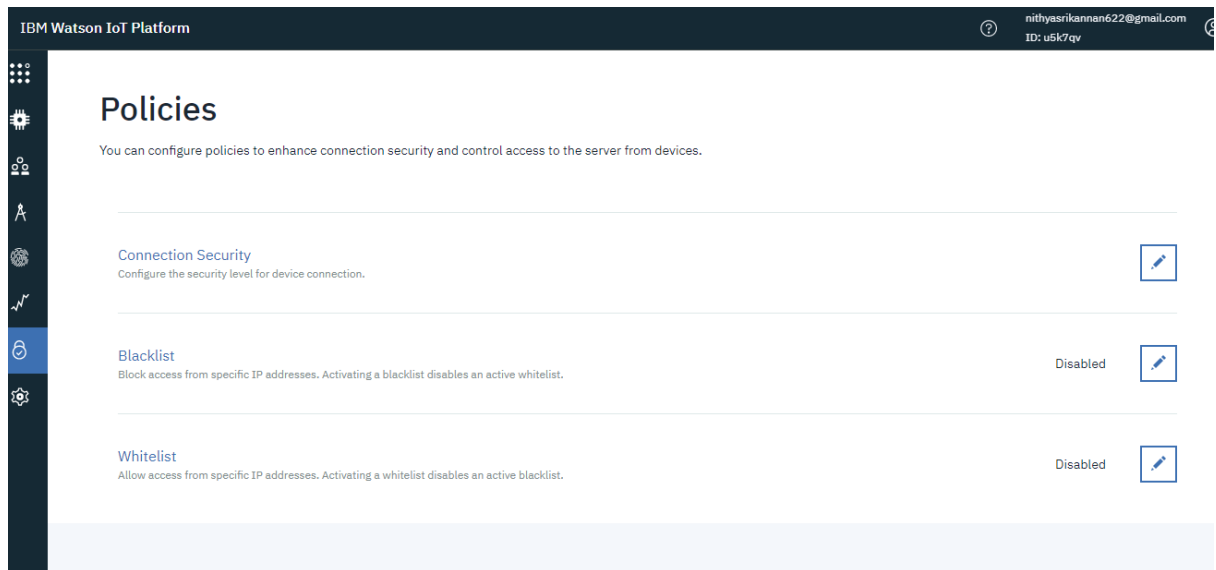

6.And again clicking on the launch button will open this tab, the device will help in the creation of the devices, the addition of devices, and the display ofdetails of the devices.
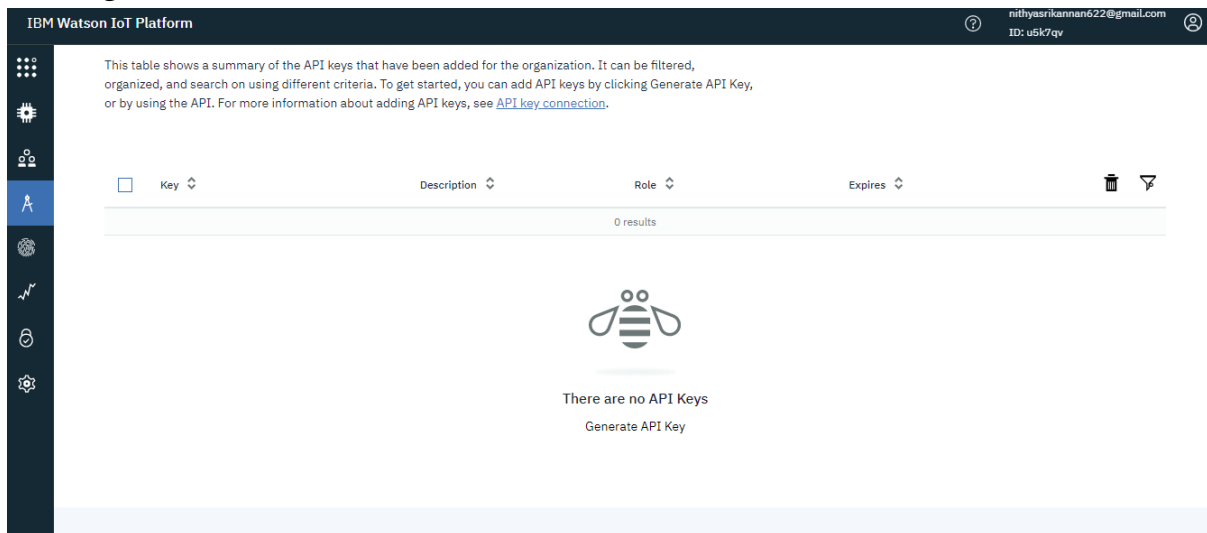
7.The setting tab is used to change the general setting if needed for the project.

8.the security tab we can choose the type of security connection and canchange according to specification.

Policies

You can configure policies to enhance connection security and control access to the server from devices.

Connection Security
Configure the security level for device connection.

Blacklist
Block access from specific IP addresses. Activating a blacklist disables an active whitelist.

Disabled

Whitelist
Allow access from specific IP addresses. Activating a whitelist disables an active blacklist.

Disabled

9.This tab is used when you want to connect to some other platform and to integrate with other devices

This table shows a summary of the API keys that have been added for the organization. It can be filtered, organized, and search on using different criteria. To get started, you can add API keys by clicking Generate API Key, or by using the API. For more information about adding API keys, see API key connection.

| Key	Description	Role	Expires
0 results			

There are no API Keys

Generate API Key

10.Click on the device tab and click on the add device button, then give thedevice type and device id and click next
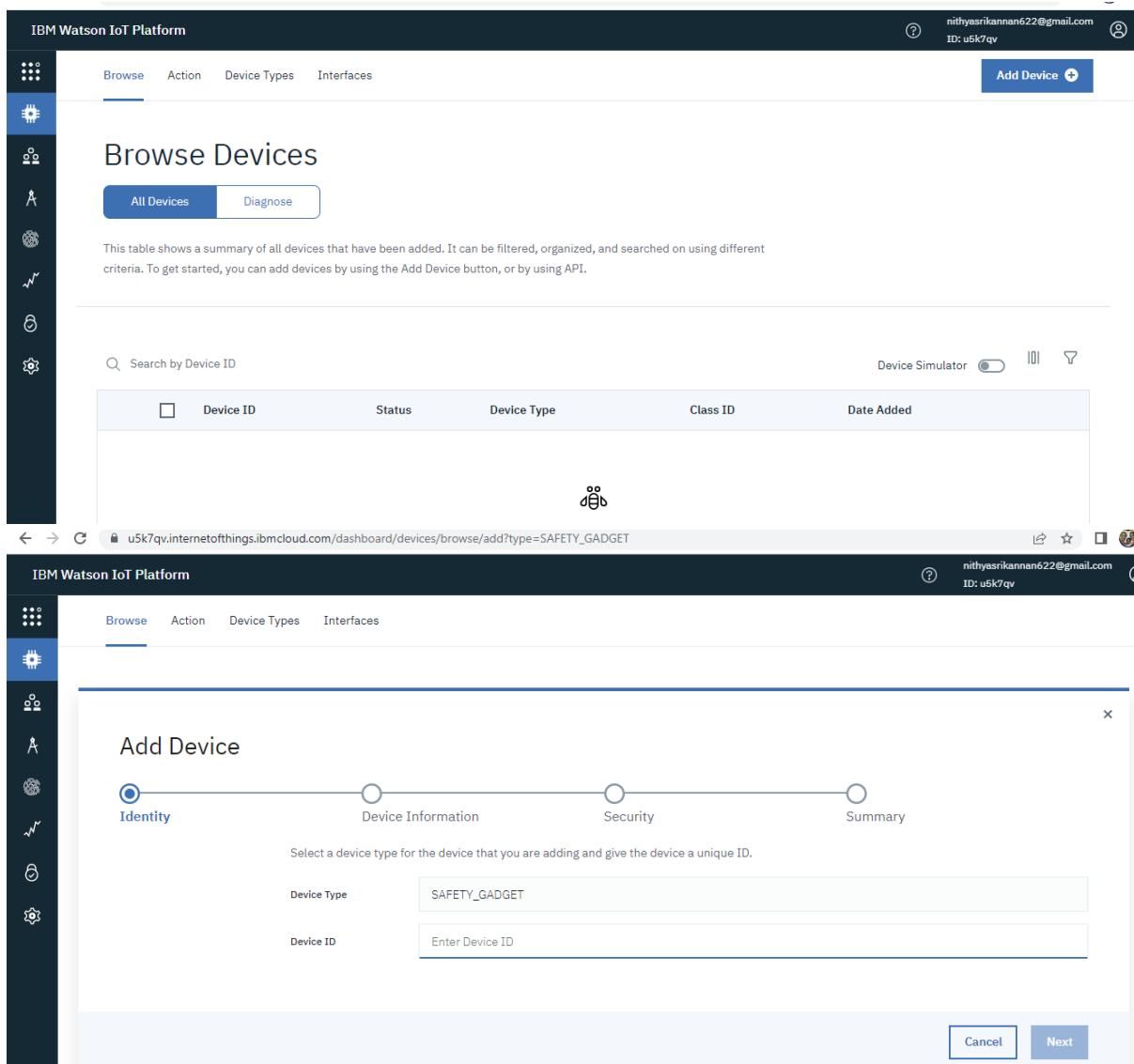
11. This page to enter extra details and of the hardware and Clicking on   next it goes to the summary of the device then click finish.
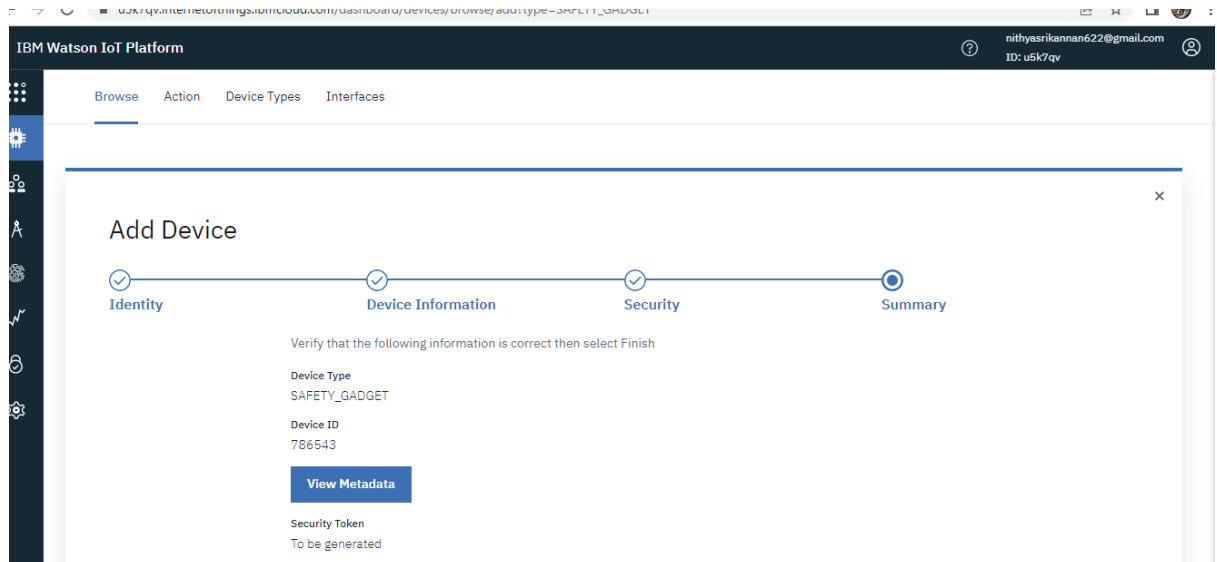
12. The device credentials will be displayed with all the details
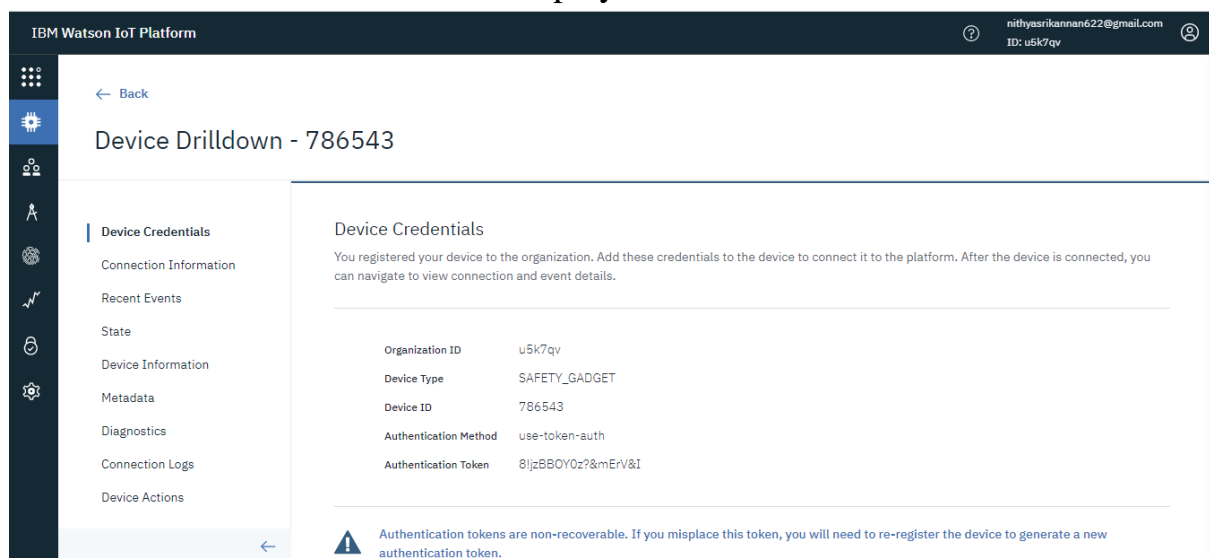
13. Clicking on the device tab we can now see the added device. Clicking on it willdisplay the other details.

14. The Boards will display card for the project.
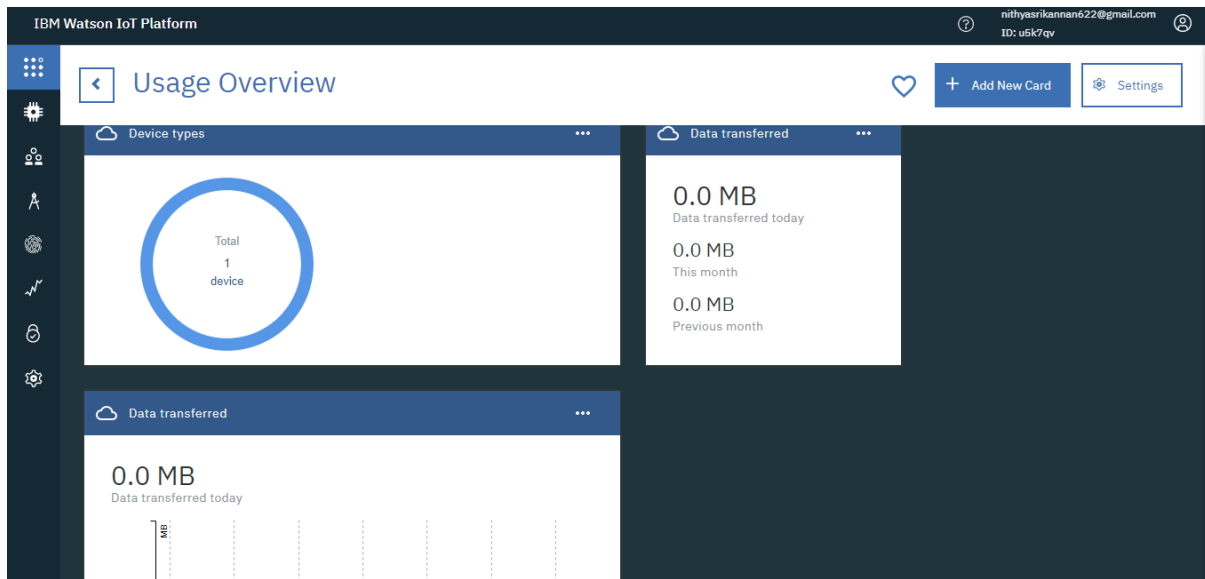
RESULT:

 An IBM Watson cloud for IoT and a device is create