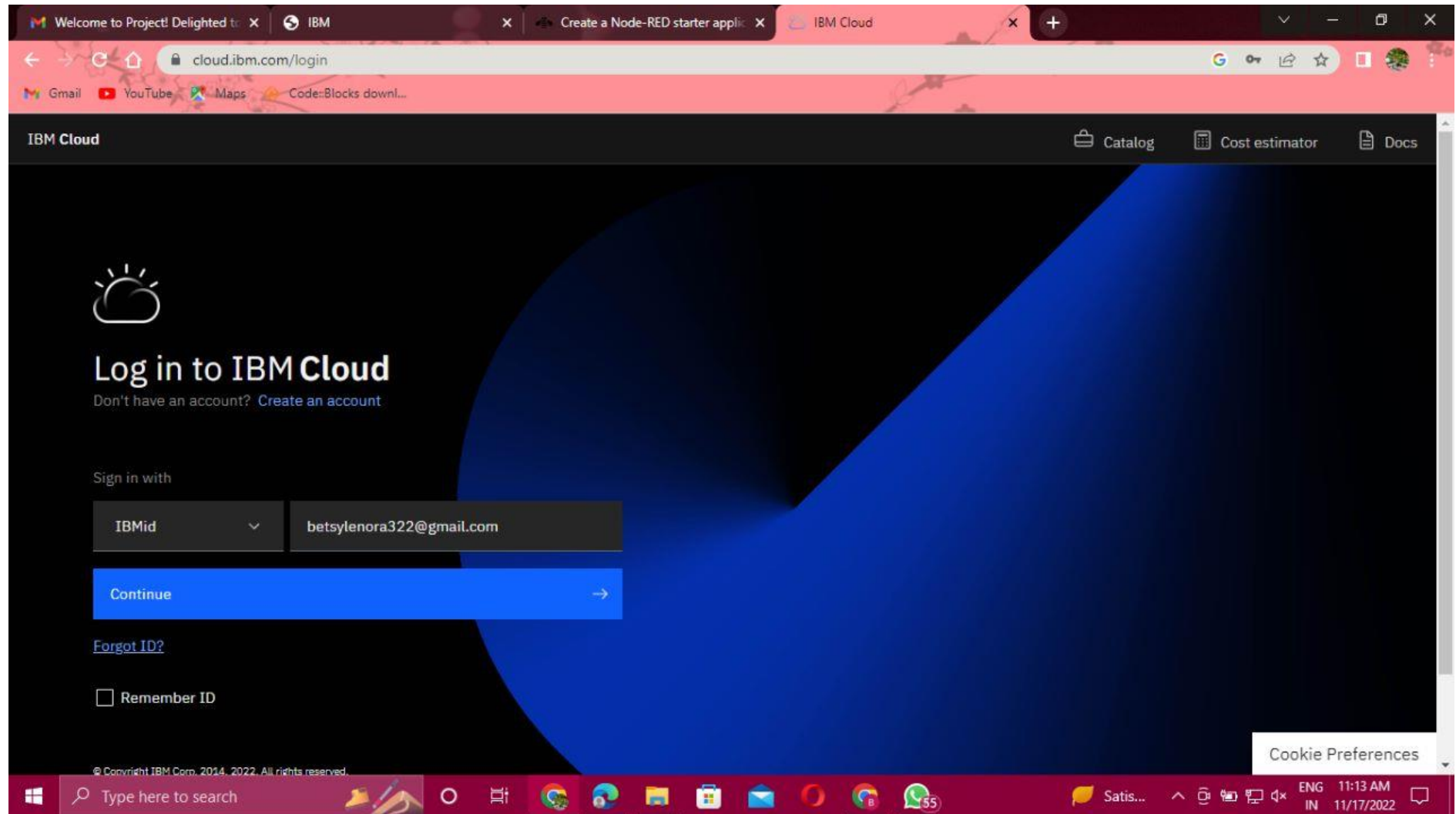


Create The IBM Watson IoT Platform And A Device

Project Title	SmartFarmer – IoT Enabled Smart Farming Application
Team ID	PNT2022TMID25425
Content	IBM Cloud and Device Creation

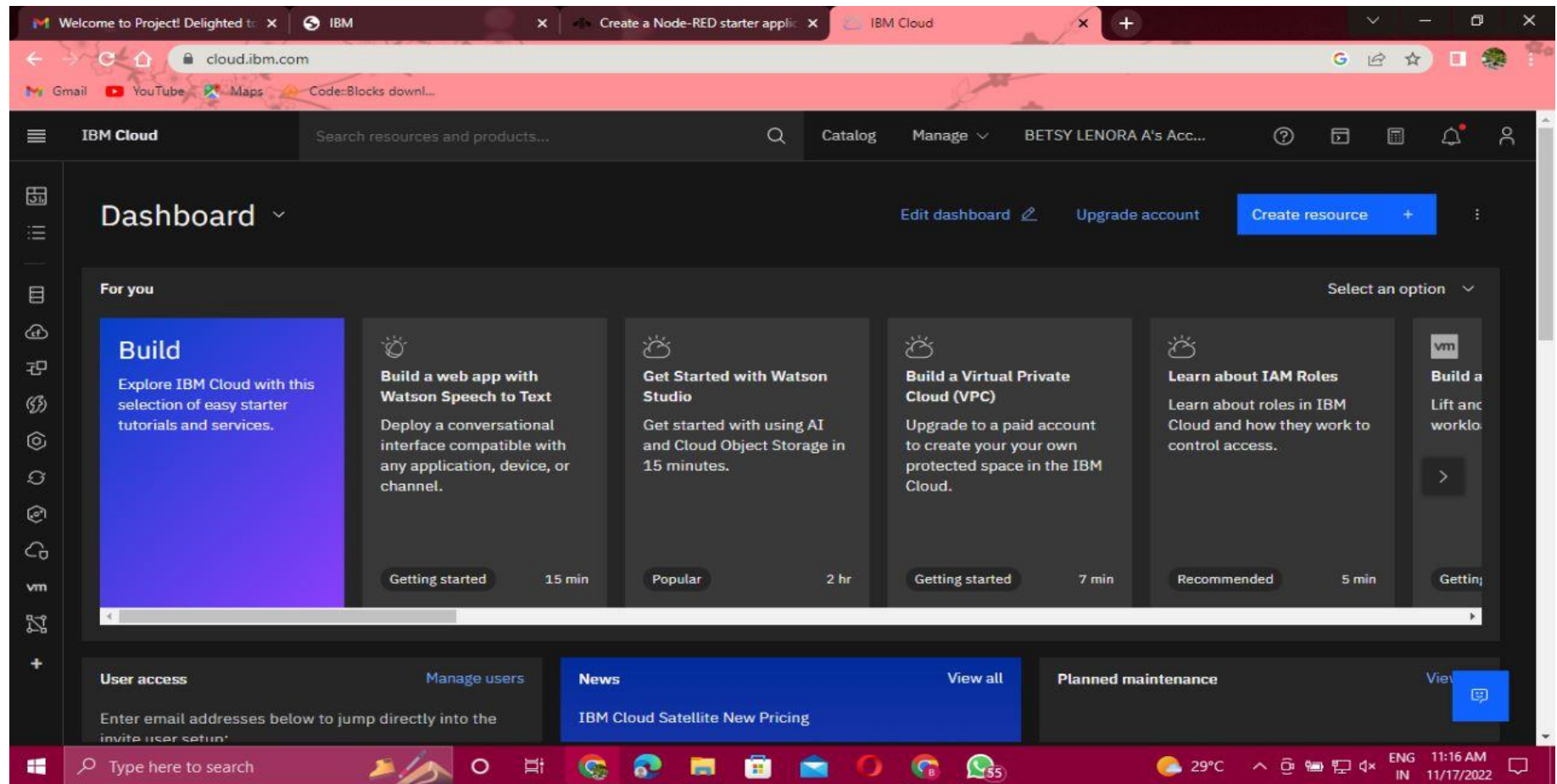
STEP 1:

Login into your IBM Cloud.



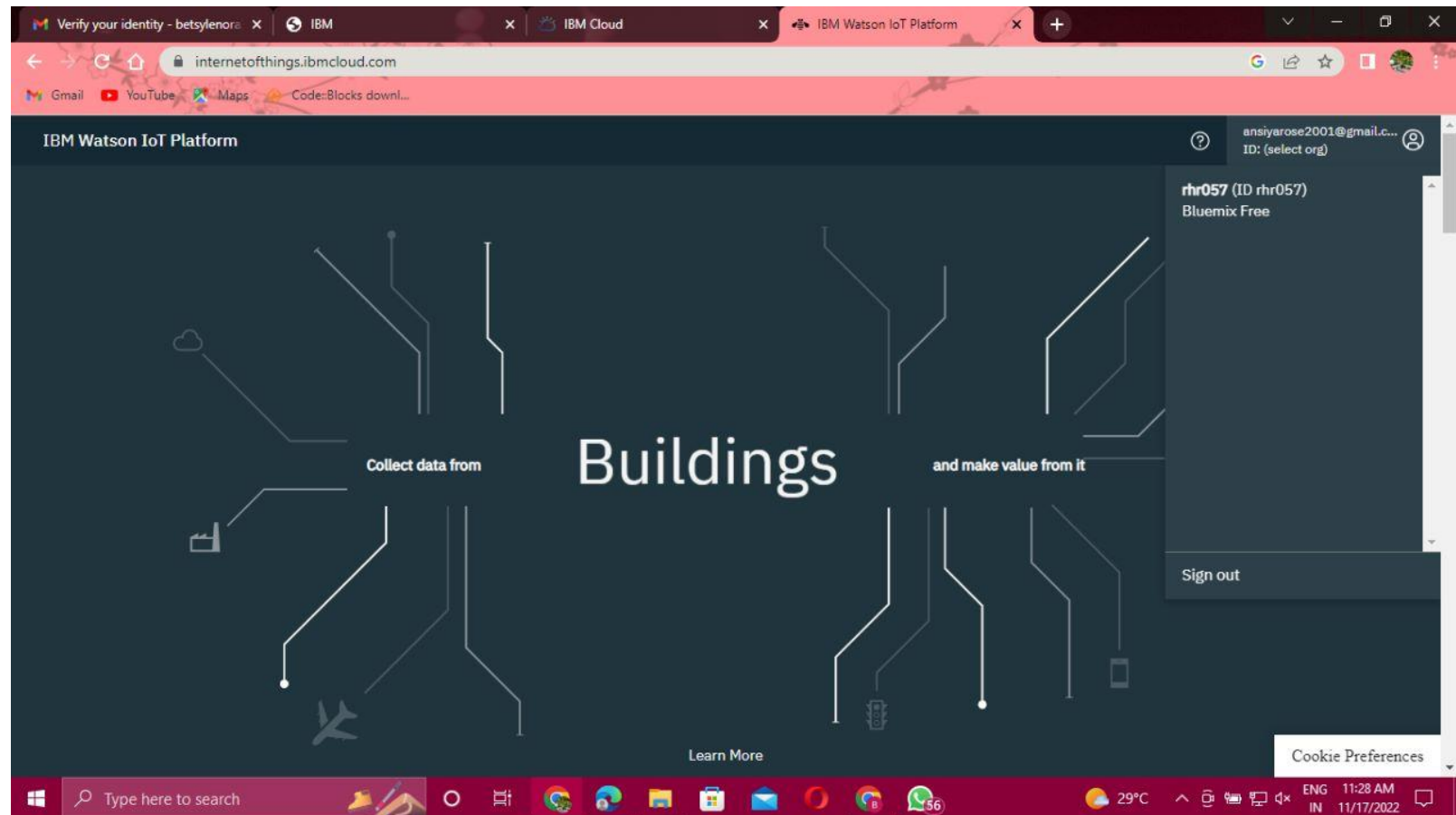
STEP 2:

After Login you will be redirected to your dashboard. Search Internet of Things and Click on it.



STEP 3:

Now click on existing instance and then click Launch. Now you will be redirected to new page and Sign In again if it's prompt. Next select your org.



STEP 4:

Go to Devices section, there click on Add Device. There enter your device type and device id. Then click Next and Click Next again.

The screenshot shows the 'Add Device' wizard in the IBM Watson IoT Platform. The interface includes a top navigation bar with the platform name, a user profile, and a help icon. A left sidebar contains various icons for navigation. The main content area displays the 'Add Device' title and a progress bar with four steps: Identity, Device Information, Security, and Summary. The 'Identity' step is currently active. Below the progress bar, there is a prompt: 'Select a device type for the device that you are adding and give the device a unique ID.' Two input fields are provided: 'Device Type' with the value 'Arduino' and 'Device ID' with the value '1234'. At the bottom right, there are 'Cancel' and 'Next' buttons.

IBM Watson IoT Platform

312819106035@smartinternz.com
ID: x0fxss

Browse Action Device Types Interfaces

Add Device

Identity Device Information Security Summary

Select a device type for the device that you are adding and give the device a unique ID.

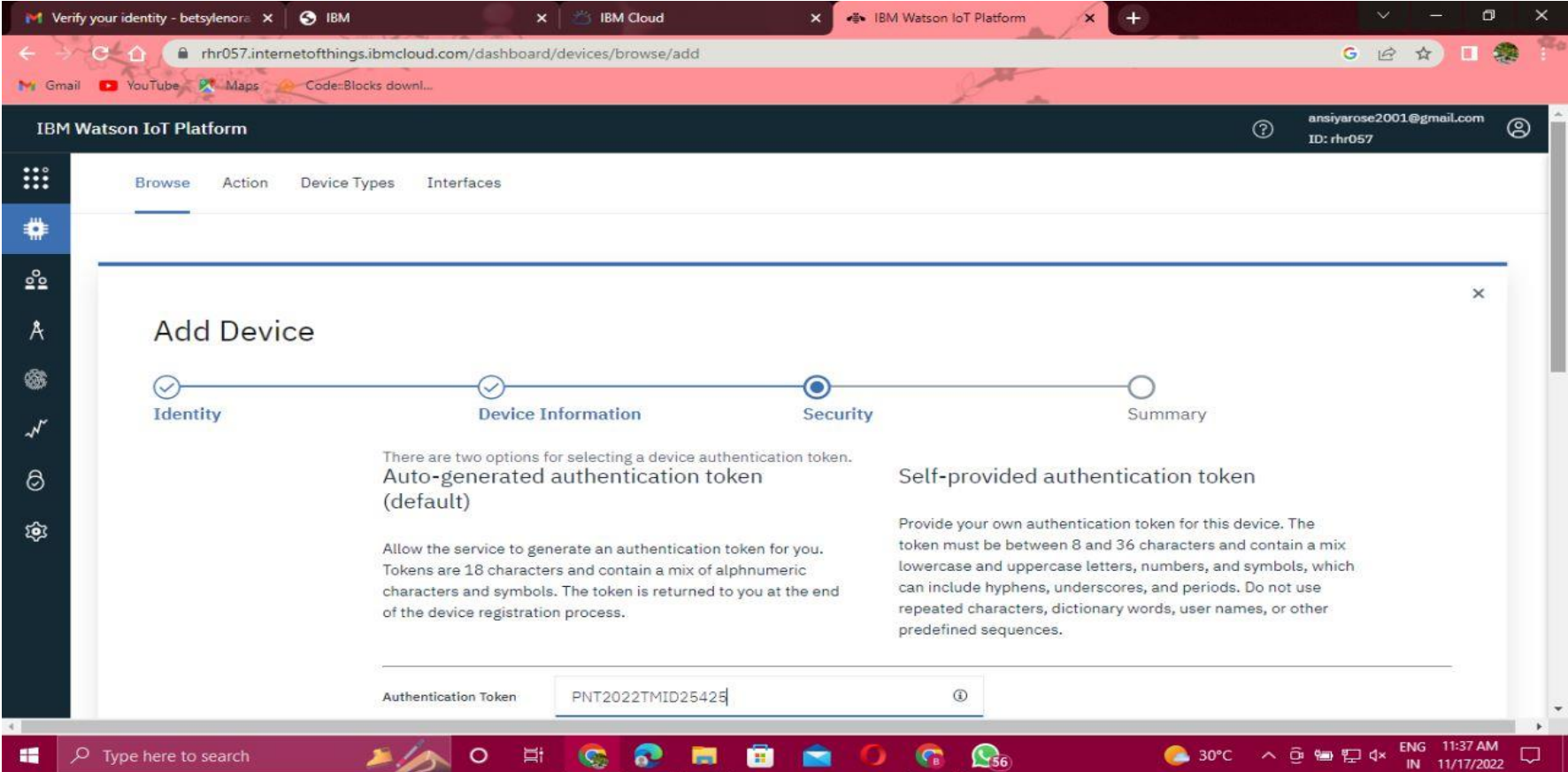
Device Type: Arduino

Device ID: 1234

Cancel Next

STEP 5:

Enter your authentication token or otherwise it will be auto generated and then click Next and then click Finish.



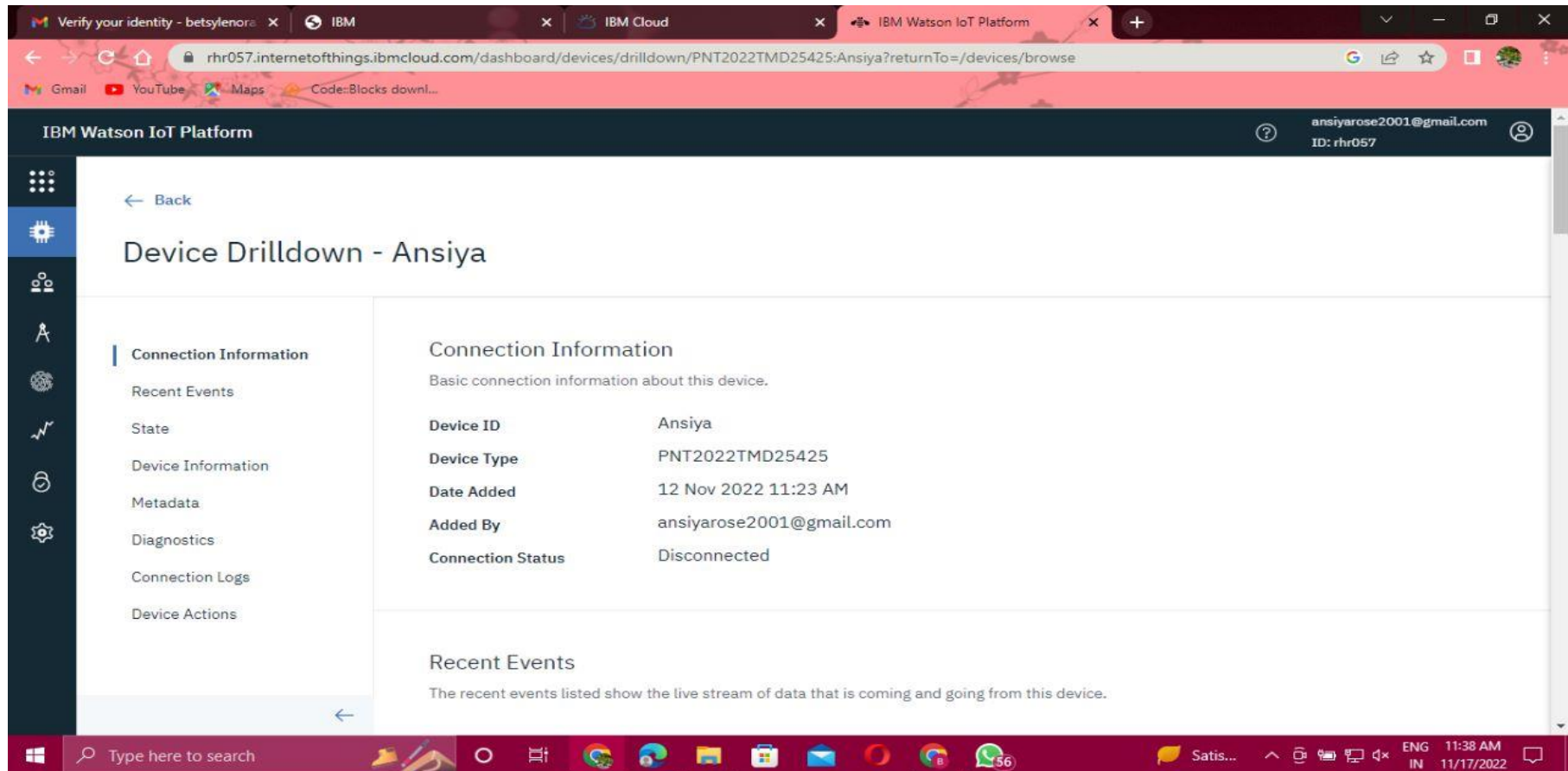
The screenshot shows the 'Add Device' wizard in the IBM Watson IoT Platform. The process consists of four steps: Identity, Device Information, Security, and Summary. The 'Security' step is currently active, indicated by a blue circle. Below the step indicators, there are two options for selecting a device authentication token:

- Auto-generated authentication token (default)**: Allow the service to generate an authentication token for you. Tokens are 18 characters and contain a mix of alphanumeric characters and symbols. The token is returned to you at the end of the device registration process.
- Self-provided authentication token**: Provide your own authentication token for this device. The token must be between 8 and 36 characters and contain a mix of lowercase and uppercase letters, numbers, and symbols, which can include hyphens, underscores, and periods. Do not use repeated characters, dictionary words, user names, or other predefined sequences.

At the bottom, there is a text input field labeled 'Authentication Token' containing the value 'PNT2022TMID25425'.

STEP 6:

Now you can see your Device Credentials.



The screenshot displays the IBM Watson IoT Platform interface. The browser address bar shows the URL: `rh057.internetofthings.ibmcloud.com/dashboard/devices/drilldown/PNT2022TMD25425:Ansiya?returnTo=/devices/browse`. The page title is "Device Drilldown - Ansiya". A left sidebar contains navigation links: "Connection Information", "Recent Events", "State", "Device Information", "Metadata", "Diagnostics", "Connection Logs", and "Device Actions". The main content area is divided into two sections. The top section, "Connection Information", provides basic details about the device:

Property	Value
Device ID	Ansiya
Device Type	PNT2022TMD25425
Date Added	12 Nov 2022 11:23 AM
Added By	ansiyarose2001@gmail.com
Connection Status	Disconnected

The bottom section, "Recent Events", includes a description: "The recent events listed show the live stream of data that is coming and going from this device." The Windows taskbar at the bottom shows the time as 11:38 AM on 11/17/2022.

Step 7:

Now click Back, there you can see the list of devices you created with device type, device id, date that device is created and status.

IBM Watson IoT Platform

ansiyarose2001@gmail.com
ID: rhr057

Browse Action Device Types Interfaces

Browse Devices

All Devices Diagnose

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

Device Simulator ☒ IDI

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added
> <input type="checkbox"/>	Ansiya	Disconnected	PNT2022TMD25425	Device	12 Nov 2022 11:23 AM

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