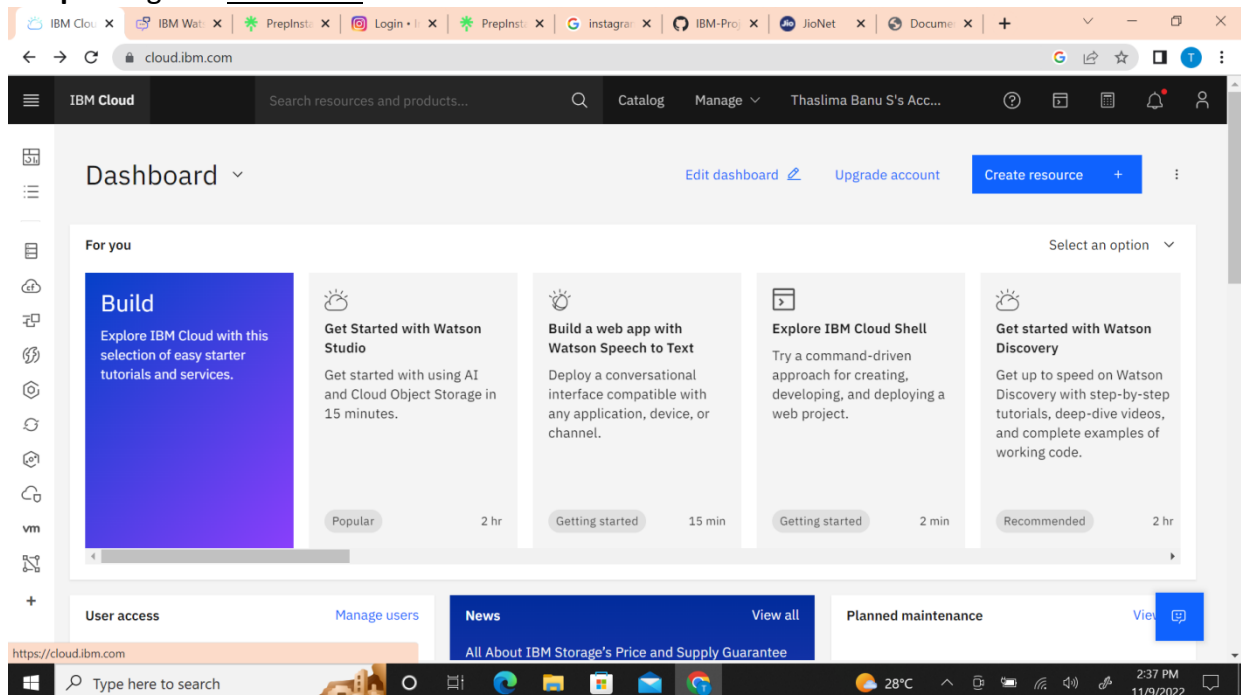


## DEVELOPING A CHATBOT

Date	9 November 2022
Team ID	PNT2022MID07494
Project Name	Skills/JobRecommenderApplication

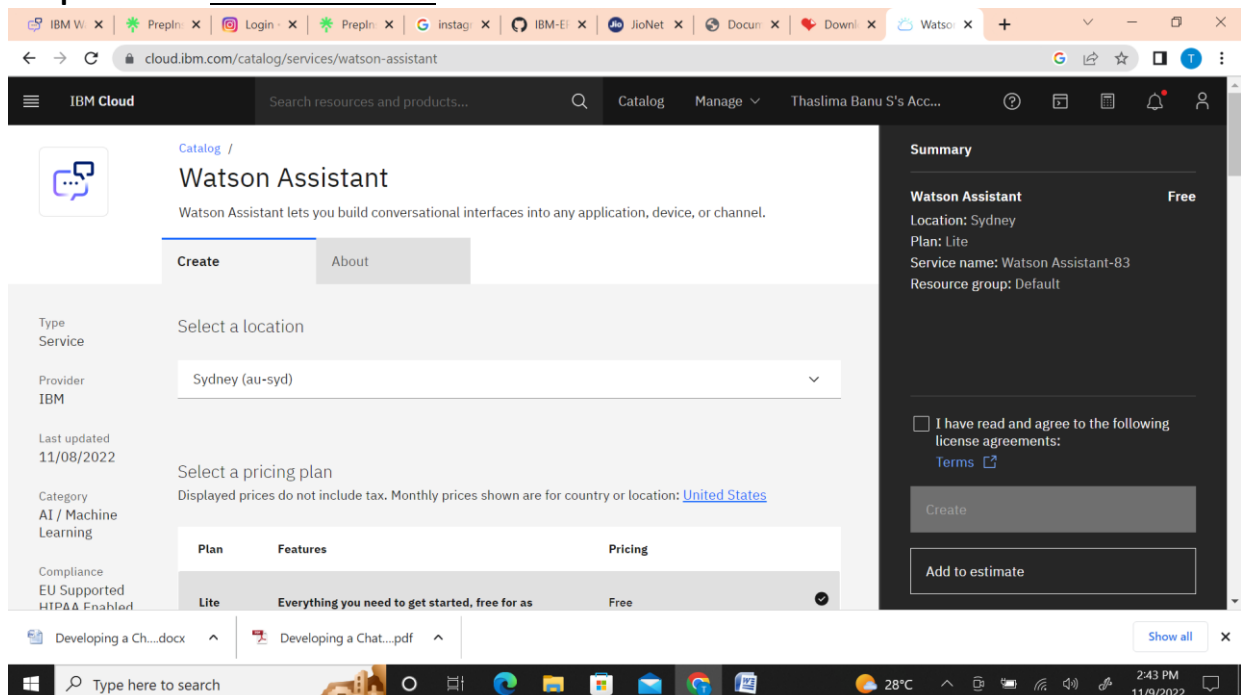
## Build the Chatbot

### Step 1: Login to IBM Cloud



The screenshot shows the IBM Cloud Dashboard. The top navigation bar includes the IBM Cloud logo, a search bar, and links to Catalog, Manage, and the user's account (Thaslima Banu S's Acc...). The main content area is titled 'Dashboard' and features a 'For you' section with several cards: 'Build' (Explore IBM Cloud with this selection of easy starter tutorials and services), 'Get Started with Watson Studio' (Get started with using AI and Cloud Object Storage in 15 minutes), 'Build a web app with Watson Speech to Text' (Deploy a conversational interface compatible with any application, device, or channel), 'Explore IBM Cloud Shell' (Try a command-driven approach for creating, developing, and deploying a web project), and 'Get started with Watson Discovery' (Get up to speed on Watson Discovery with step-by-step tutorials, deep-dive videos, and complete examples of working code). Below the 'For you' section, there are links for 'User access', 'Manage users', 'News', 'View all', and 'Planned maintenance'.

### Step 2: Search Watson Assistant



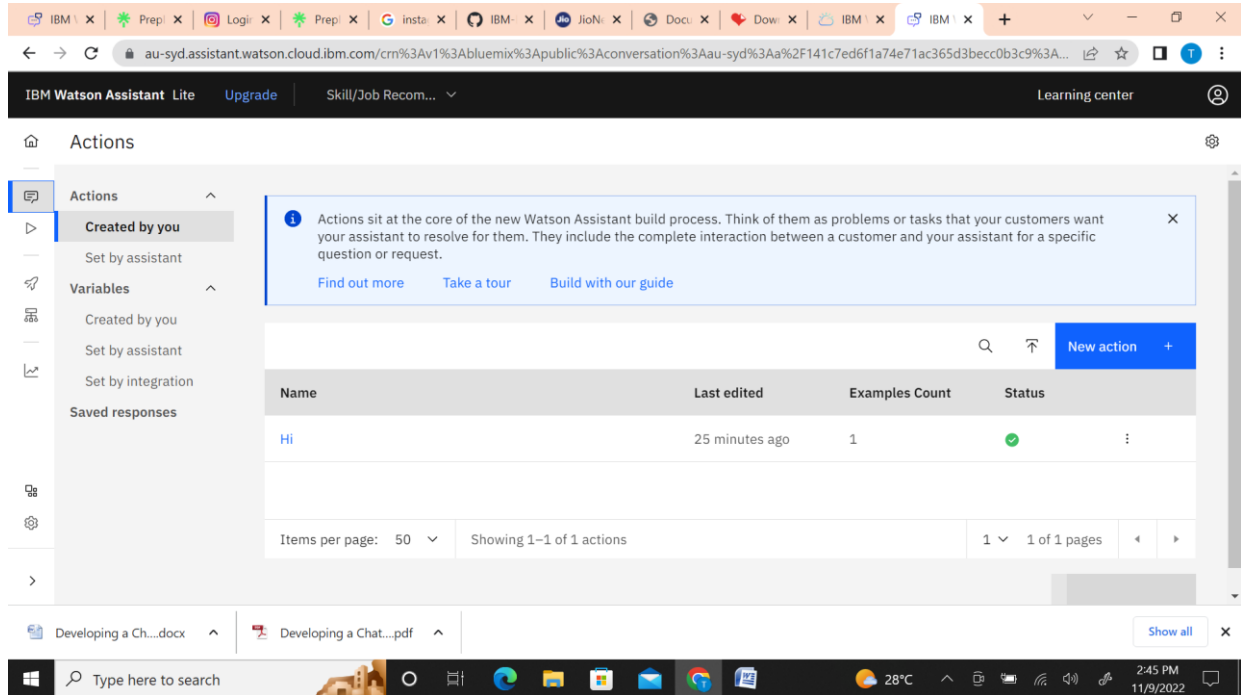
The screenshot shows the Watson Assistant page in the IBM Cloud Catalog. The page title is 'Watson Assistant' and it includes a description: 'Watson Assistant lets you build conversational interfaces into any application, device, or channel.' The 'Create' tab is selected, and the 'About' tab is also visible. The 'Create' section shows a 'Select a location' dropdown menu with 'Sydney (au-syd)' selected. Below this, there is a 'Select a pricing plan' section with a table of plans. The table has three columns: 'Plan', 'Features', and 'Pricing'. The 'Lite' plan is selected, with features 'Everything you need to get started, free for as' and a pricing of 'Free'. On the right side, there is a 'Summary' section with details: 'Watson Assistant' (Free), 'Location: Sydney', 'Plan: Lite', 'Service name: Watson Assistant-83', and 'Resource group: Default'. At the bottom, there is a 'Create' button and an 'Add to estimate' button.

**Step 3: Then Select the Launch Watson Assistant**

The screenshot shows the IBM Cloud console for a Watson Assistant instance named 'Watson Assistant-a1'. The instance is in an 'Active' state. The left sidebar has a 'Manage' section with options for 'Service credentials', 'Plan', and 'Connections'. The main area is titled 'Start by launching the tool' and contains a large blue 'Launch Watson Assistant' button, a 'Getting started tutorial' link, and an 'API reference' link. On the right, there's a 'Plan' section showing 'Lite' and an 'Upgrade' button. Below the main area, there's a 'Credentials' section with fields for 'API key' and 'URL'. The 'API key' field is empty, and the 'URL' field contains 'https://api.au-syd.assistant.watson.cloud.ibm.com/'.

**Step 4: Then Get Started**

The screenshot shows the 'Welcome, you're in the new Watson Assistant!' page. The page has a dark header with 'IBM Watson Assistant Lite' and 'Upgrade' buttons. The main content area has a 'Welcome, you're in the new Watson Assistant!' message and a 'Take a tour' button. Below this, there are three sections: 'Faster build' (with a blue cube icon), 'Easy to use' (with a laptop icon), and 'New features' (with a document icon). Each section has a brief description and a 'Get started' or 'View documentation' link. At the bottom, there's a 'Skill/Job Recommender | English (US)' section with a 'No description' note. The page also has a 'Learning center' link in the top right corner.

**Step 5:** Then create an action and then make some sample conversation.

The screenshot shows the IBM Watson Assistant interface. The top navigation bar includes 'IBM Watson Assistant Lite', 'Upgrade', 'Skill/Job Recom...', and 'Learning center'. The left sidebar has icons for 'Actions', 'Variables', and 'Saved responses'. The main content area is titled 'Actions' and contains a blue informational box at the top explaining that actions are core to the build process. Below this is a table of actions. The table has columns for 'Name', 'Last edited', 'Examples Count', and 'Status'. One action is listed with the name 'Hi', last edited '25 minutes ago', and an examples count of '1'. The status is indicated by a green checkmark. At the bottom of the table, it says 'Items per page: 50' and 'Showing 1-1 of 1 actions'. A 'New action' button is visible in the top right of the table area. The bottom of the screen shows a Windows taskbar with various application icons and a system tray displaying '28°C' and '2:45 PM 11/9/2022'.

Name	Last edited	Examples Count	Status
Hi	25 minutes ago	1	✓

**Step 6: Then End the Action.**

The screenshot shows the IBM Watson Assistant interface. The top navigation bar includes 'IBM Watson Assistant Lite', 'Upgrade', 'Skill/Job Recom...', and 'Learning center'. The main area is titled 'Hi'. On the left, 'Conversation steps' are listed: Step 1 is 'Hi! How can I help you in finding you a job?' with a 'Free text' input; Step 2 is 'Are you a Fresher or Experienced in this Sector?' with 'Fresher' and 'Experienced' buttons; Step 3 is 'What is your Specialization?' with a 'New step' button. The right pane shows 'Step 1 is taken without conditions'. Below this, 'Assistant says' displays the text 'Hi! How can I help you in finding you a job?'. A 'User enters free text' message is shown below the assistant's response. At the bottom, 'And then' shows a 'Continue to next step' button and a 'Preview' button.

**Step 7: Embed the code.**

The screenshot shows the IBM Watson Assistant interface with the 'Embed' tab selected. The top navigation bar is the same as in Step 6. The main area is titled 'Web chat Draft'. Below this, a tabbed interface shows 'Launcher', 'Home screen', 'Live agent', 'Suggestions', 'Security', and 'Embed'. The 'Embed' tab is active, displaying the text '</> Embed on your website' and 'Ready to launch? It's as easy as copy and paste. [Learn more](#)'. Below this, a code block contains the following JavaScript code:

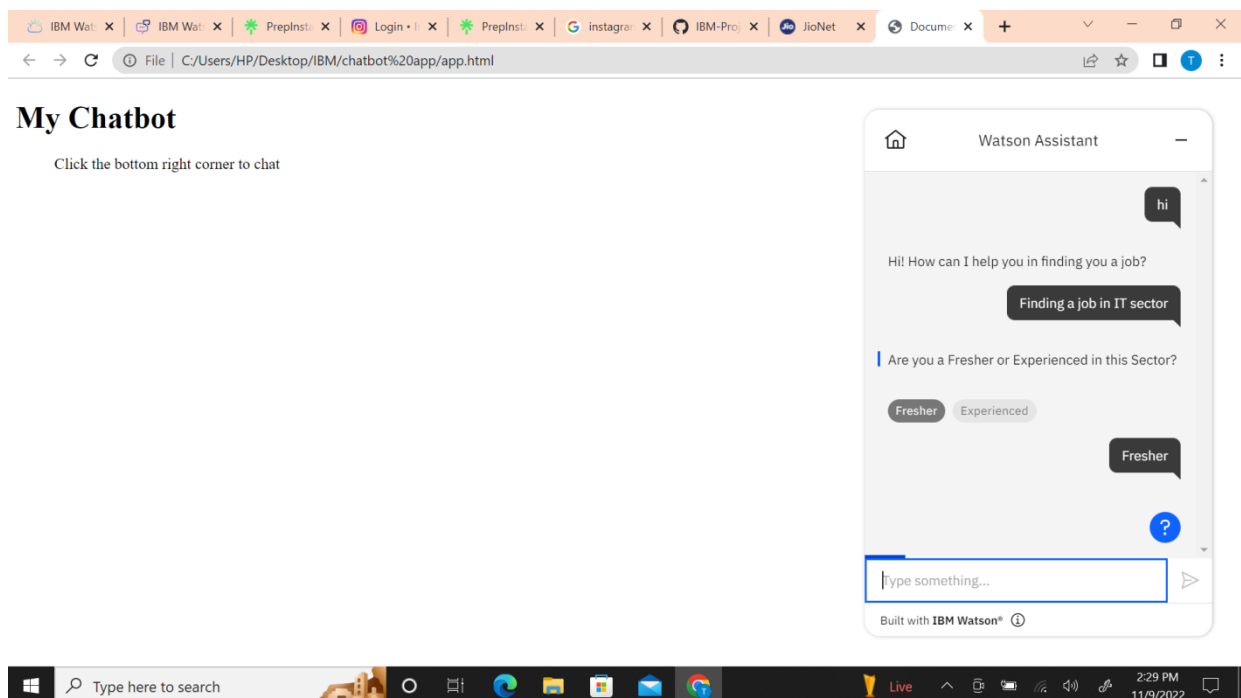
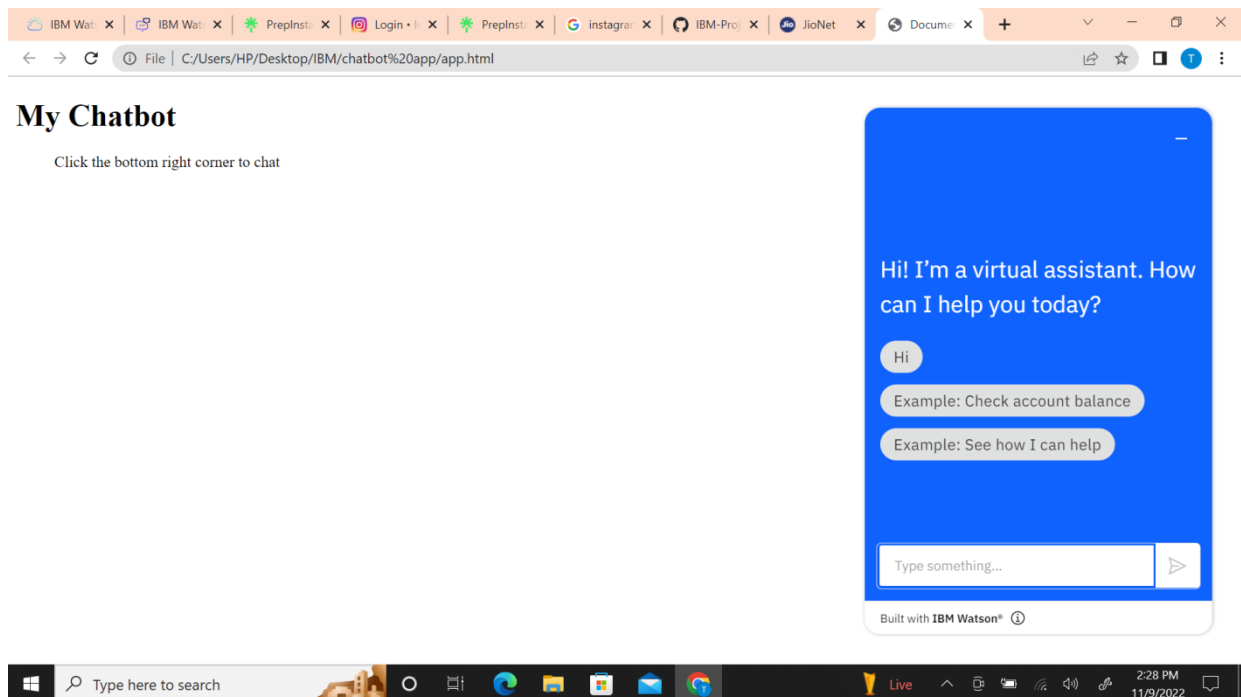
```
<script>
window.watsonAssistantChatOptions = {
  integrationID: "01ca5fe5-3f42-4a97-8965-332afedd97be", // The ID of this integration.
  region: "au-syd", // The region your integration is hosted in.
  serviceInstanceID: "5683f375-e95c-4fa1-8471-5b76177675c2", // The ID of your service instance.
  onLoad: function(instance) { instance.render(); }
};
setTimeout(function(){
  const t=document.createElement('script');
  t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" + (window.watsonAssistantChatOptions
  document.head.appendChild(t);
});
</script>
```

A 'Show more' link is visible at the bottom right of the code block. The bottom of the screen shows the Windows taskbar with the time 2:35 PM on 11/9/2022.

**INTEGRATING CHATBOT TO HTML PAGE**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <h1>My Chatbot</h1>
  <blockquote>Click the bottom right corner to chat</blockquote>
<script>
  window.watsonAssistantChatOptions = {
    integrationID: "01ca5fe5-3f42-4a97-8965-332afedd97be", // The ID of this integration.
    region: "au-syd", // The region your integration is hosted in.
    serviceInstanceID: "5683f375-e95c-4fa1-8471-5b76177675c2", // The ID of your service
instance.
    onLoad: function(instance) { instance.render(); }
  };
  setTimeout(function(){
    const t=document.createElement('script');
    t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" +
(window.watsonAssistantChatOptions.clientVersion || 'latest') +
"/WatsonAssistantChatEntry.js";
    document.head.appendChild(t);
  });
</script>
</body>
</html>
```

## PREVIEW OF CHATBOT



IBM Wat: x IBM Wat: x PreInst: x Login: x PreInst: x Instagram: x IBM-Pro: x JioNet: x Docume: x + - x

File | C:/Users/HP/Desktop/IBM/chatbot%20app/app.html

## My Chatbot

Click the bottom right corner to chat

Watson Assistant

What is your Specialization?

I am specialized in CSE

Where do you want to find your job(location)?

Chennai

What are your software skills you are well known in IT Sector?

UI SDE

Type something...

Built with IBM Watson®

28°C 2:30 PM 11/9/2022

IBM Wat: x IBM Wat: x PreInst: x Login: x PreInst: x Instagram: x IBM-Pro: x JioNet: x Docume: x + - x

File | C:/Users/HP/Desktop/IBM/chatbot%20app/app.html

## My Chatbot

Click the bottom right corner to chat

Watson Assistant

your question.

hi

Hi! How can I help you in finding you a job?

Finding a job in IT sector

Are you a Fresher or Experienced in this Sector?

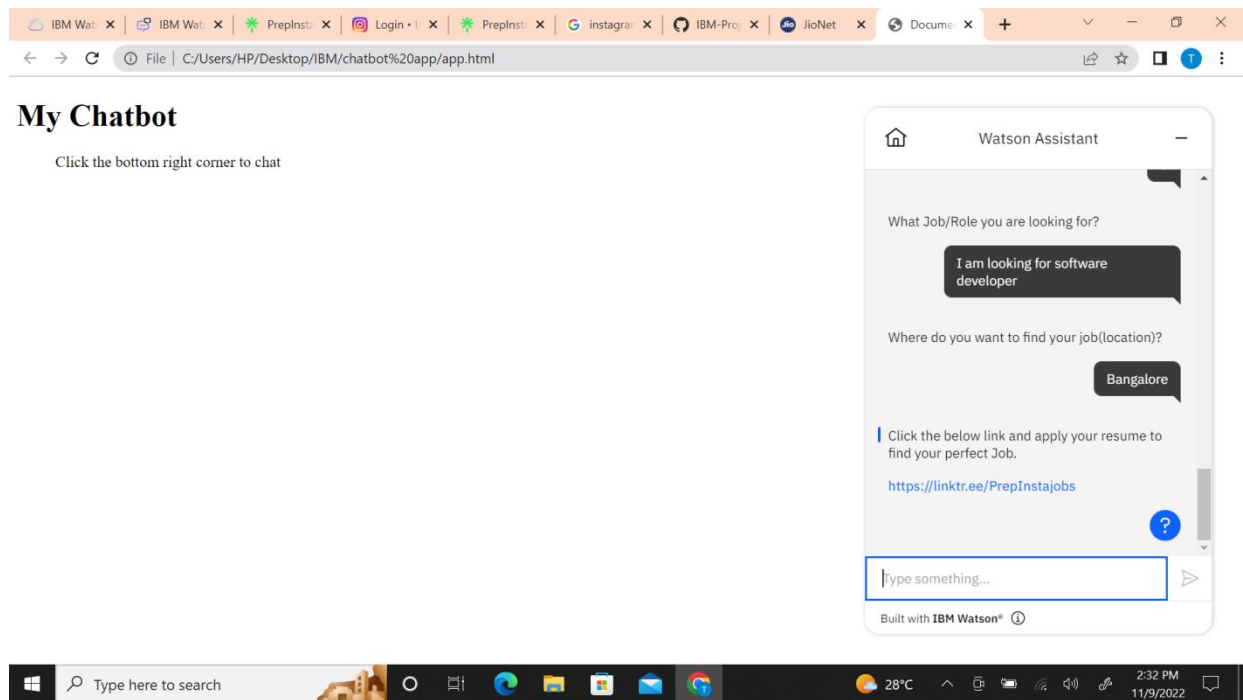
Fresher Experienced

Experienced

Type something...

Built with IBM Watson®

28°C 2:31 PM 11/9/2022



The Chatbot is created and integrated successfully.