

Demo- Generative AI using IBM cloud - Prompt Lab

Task - Hands-on work for Prompt Lab using IBM Watsonx.

Step1= LogIn to IBM cloud with your credentials - cloud.ibm.com/resources

Step2-Clean the resources – Menu- Resource list – Delete all active resources under **AI/Machine Learning and Storage**

The screenshot shows the IBM Cloud Resource list interface. The main title is "Resource list". The top navigation bar includes "Catalog", "Manage", and "Aditya Raje's Account". On the right, there is a "Create resource" button and a "+" icon. The left sidebar lists various service categories: Compute, Containers, Networking, Storage, Converged infrastructure, Enterprise applications, AI / Machine Learning, Analytics, Blockchain, Databases, and Developer tools. The "AI / Machine Learning" category is currently selected, indicated by a blue border around its icon. The main table header has columns for Name, Group, Location, Product, Status, and Tags. There are several filter input fields at the top of the table. The bottom taskbar includes icons for File, Home, Mail, Edge, Word, Excel, and Google Sheets, along with a search bar and system status indicators like battery level, temperature (24°C), and date/time (10:26, 13-07-2024).

Step3- Search for watsonx service

The screenshot shows the IBM Cloud dashboard with a search bar at the top containing 'watsonx'. Below the search bar, there are two main sections: 'Resource Results' and 'Catalog Results'. In 'Resource Results', there is one item: 'watsonx Assistant-bu Service'. In 'Catalog Results', there are four items: 'Watsonx.ai SaaS with Assistant and Governance Software', 'watsonx Assistant Service', 'IBM watsonx Code Assistant Service', and 'watsonx.data Service'. To the right of these results, there are three cards: 'Use Watson Studio' (Popular), 'Use Cloudant' (Recommended), and 'Get Started with Studio' (Popular). The bottom of the screen shows the Windows taskbar with various pinned icons.

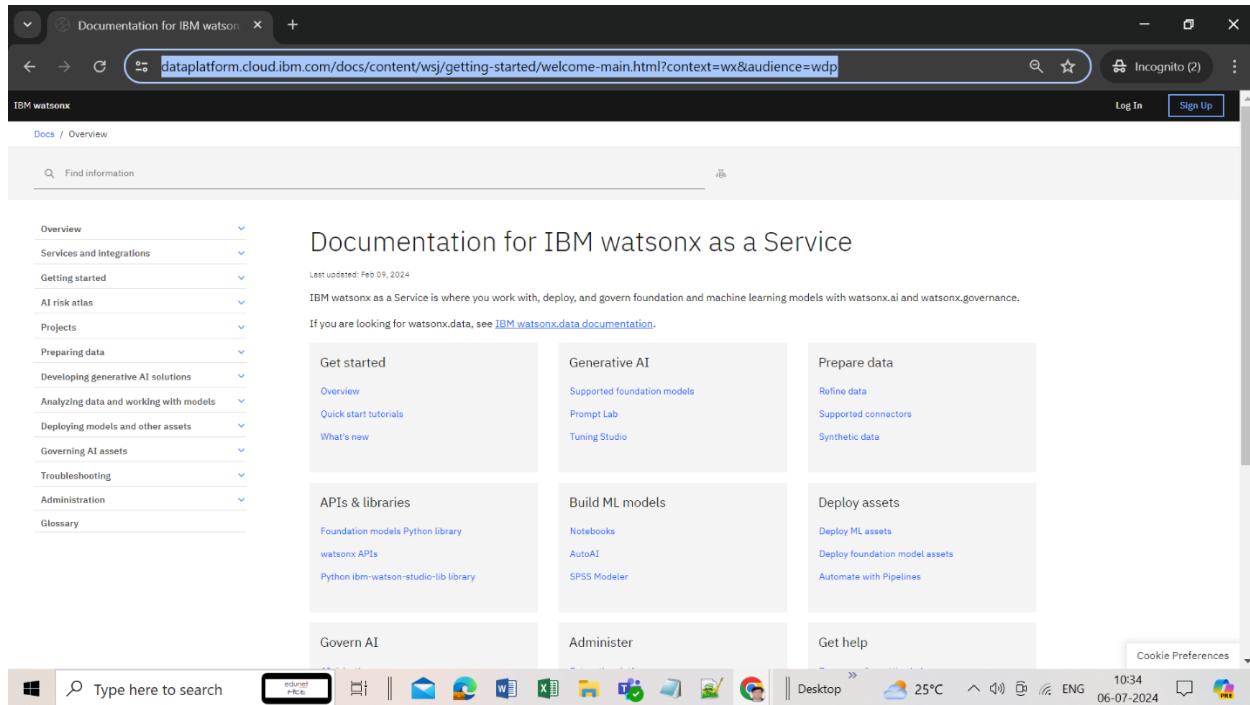
Step4-Click on watsonx.ai

<https://cloud.ibm.com/watsonx/overview>

The screenshot shows the 'watsonx.ai' overview page. On the left, there is a sidebar with a navigation menu under 'Documentation' that includes 'watsonx.ai' (which is currently selected and highlighted in blue). The main content area is titled 'watsonx capabilities' and features three cards: 'watsonx.ai' (with a 'Get started' button), 'watsonx.governance' (with a 'Get started' button), and 'watsonx.data' (with a 'Get started' button). Below this, there is a section titled 'Benefits' with three items: 'Create competitive advantage' (with a 'Get started' button), 'Scale AI across your business' (with a 'Get started' button), and 'Advance trustworthy AI' (with a 'Get started' button). The bottom of the screen shows the Windows taskbar with various pinned icons.

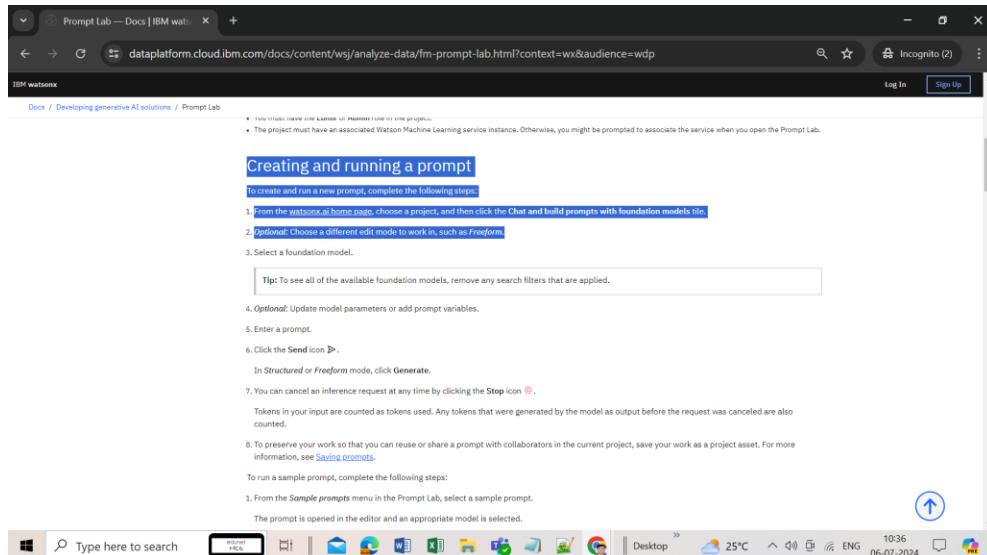
It will open url <https://dataplatform.cloud.ibm.com/docs/content/wsj/getting-started/welcome-main.html?context=wsj&audience=wdp>

Step5 – From Generative AI, Click on Prompt Lab



Step6 – Read and Follow the all steps mentioned at url

<https://dataplatform.cloud.ibm.com/docs/content/wsj/analyze-data/fm-prompt-lab.html?context=wsj&audience=wdp>



Creating and running a prompt

To create and run a new prompt, complete the following steps:

1. From the [watsonx.ai home page](#), choose a project, and then click the **Chat and build prompts with foundation models** tile.
2. *Optional:* Choose a different edit mode to work in, such as *Freeform*.
3. Select a foundation model.

Tip: To see all of the available foundation models, remove any search filters that are applied.

4. *Optional:* Update model parameters or add prompt variables.
5. Enter a prompt.



6. Click the **Send** icon.

In *Structured* or *Freeform* mode, click **Generate**.



7. You can cancel an inference request at any time by clicking the **Stop** icon.

Tokens in your input are counted as tokens used. Any tokens that were generated by the model as output before the request was canceled are also counted.

8. To preserve your work so that you can reuse or share a prompt with collaborators in the current project, save your work as a project asset. For more information, see [Saving prompts](#).

To run a sample prompt, complete the following steps:

9. From the *Sample prompts* menu in the Prompt Lab, select a sample prompt.

The prompt is opened in the editor and an appropriate model is selected.

10. Click **Generate**.

Step1- From the [watsonx.ai home page](#), choose a project, and then click the **Chat and build prompts with foundation models** tile.

<https://dataplatform.cloud.ibm.com/wx/home?context=wx&context=wx&audience=wdp>

The screenshot shows the IBM WatsonX Home page. At the top, there's a navigation bar with tabs for "Prompt Lab — Docs | IBM watsonx" and "Home | IBM watsonx". Below the navigation is a search bar containing the URL "dataplatform.cloud.ibm.com/wx/home?context=wx&context=wx&audience=wdp". The main content area starts with a welcome message "Welcome back, Aditya". Below it, there's a section titled "Train, validate, tune and deploy AI models." with a "Customize my journey" dropdown. To the right, there are four cards: "Chat and build prompts with foundation models" (with a "Start chatting..." button and "Open Prompt Lab" link), "Tune a foundation model with labeled data" (with a "with Tuning Studio" link), and "Work with data and models in Python or R notebooks" (with a "with Jupyter notebook editor" link). A "Collapse" button is located at the bottom right of this section. Below this, there's a "Discover" section with a "Resource hub" card. The hub includes links for "Foundation models" (with a sub-link "Explore foundation models"), "Prompts", "Data", "Projects", and "Notebooks". To the right of the hub is a "Featured" section highlighting "llama-3-70b-instruct", described as an auto-regressive language model. The bottom of the screen shows a Windows taskbar with a search bar, pinned apps like Mail, Edge, Word, Excel, and File Explorer, and system status icons.

Scroll down from project tile – click + icon to create new project

The screenshot shows the IBM WatsonX Home page. At the top, there are two tabs: "Prompt Lab — Docs | IBM watsonx" and "Home | IBM watsonx". The URL in the address bar is "dataplatform.cloud.ibm.com/wx/home?context=wx&context=wx&audience=wdp". The main content area is divided into several sections:

- Resource hub**: Includes links to "Foundation models", "Prompts", "Data", "Projects", and "Notebooks". A link "Explore foundation models" is also present.
- Discover**: A "Featured" section highlights "Llama-3-70b-Instruct", describing it as an auto-regressive language model.
- Recent work**: Shows a "Projects" section with one item named "MLProject" and a "Deployment spaces" section which is currently empty.

The bottom status bar shows the URL "https://dataplatform.cloud.ibm.com/projects/new-project?context=wx" and the system tray indicates it's 10:40 on 06-07-2024.

Give project details

The screenshot shows the "Create a project" dialog box. The title bar says "New project | IBM watsonx". The main form is titled "Create a project" and contains the following fields:

- Define details**:
 - "Name": "Enter a name" (input field)
 - "Description (optional)": "Enter a name" (input field)
 - "Tags (optional)": "Add tags" (input field)
- Define storage**: A note states "Project includes integration with Cloud Object Storage for storing project assets."
- Advanced settings**: A dropdown menu.

At the bottom right are "Cancel" and "Create" buttons. The bottom status bar shows the URL "https://dataplatform.cloud.ibm.com/projects/new-project?context=wx" and the system tray indicates it's 10:41 on 06-07-2024.

Create storage service –click Add

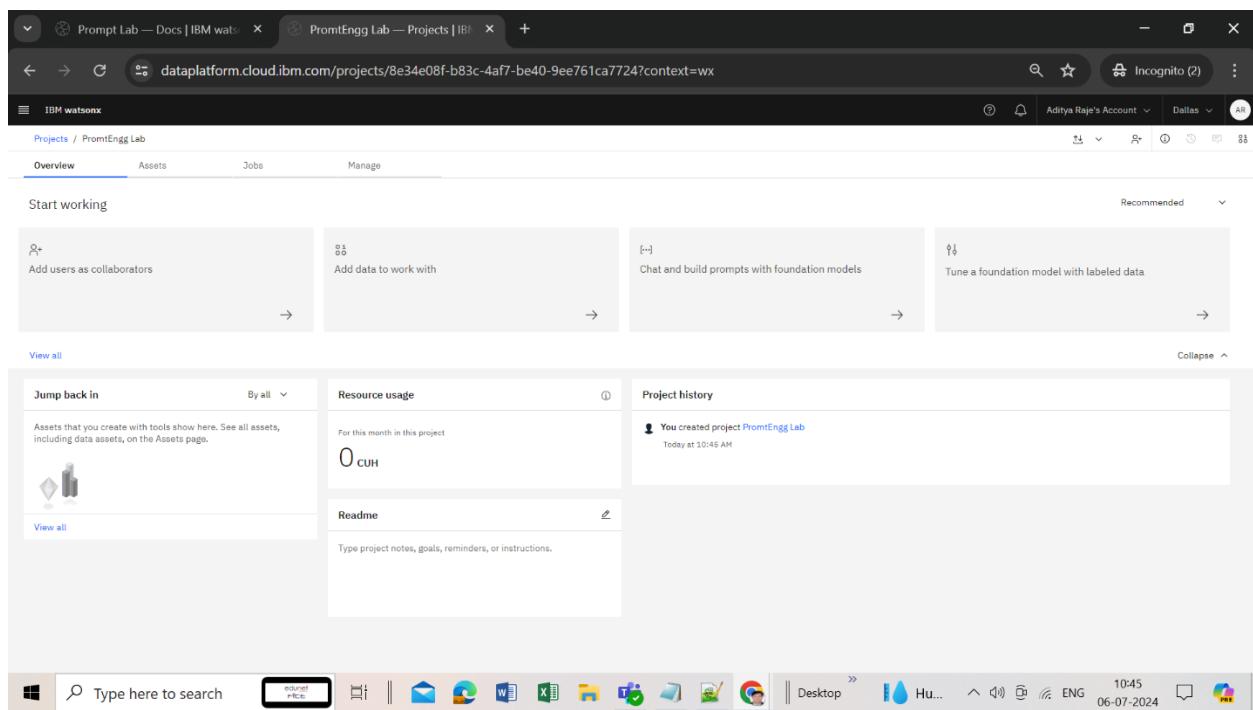
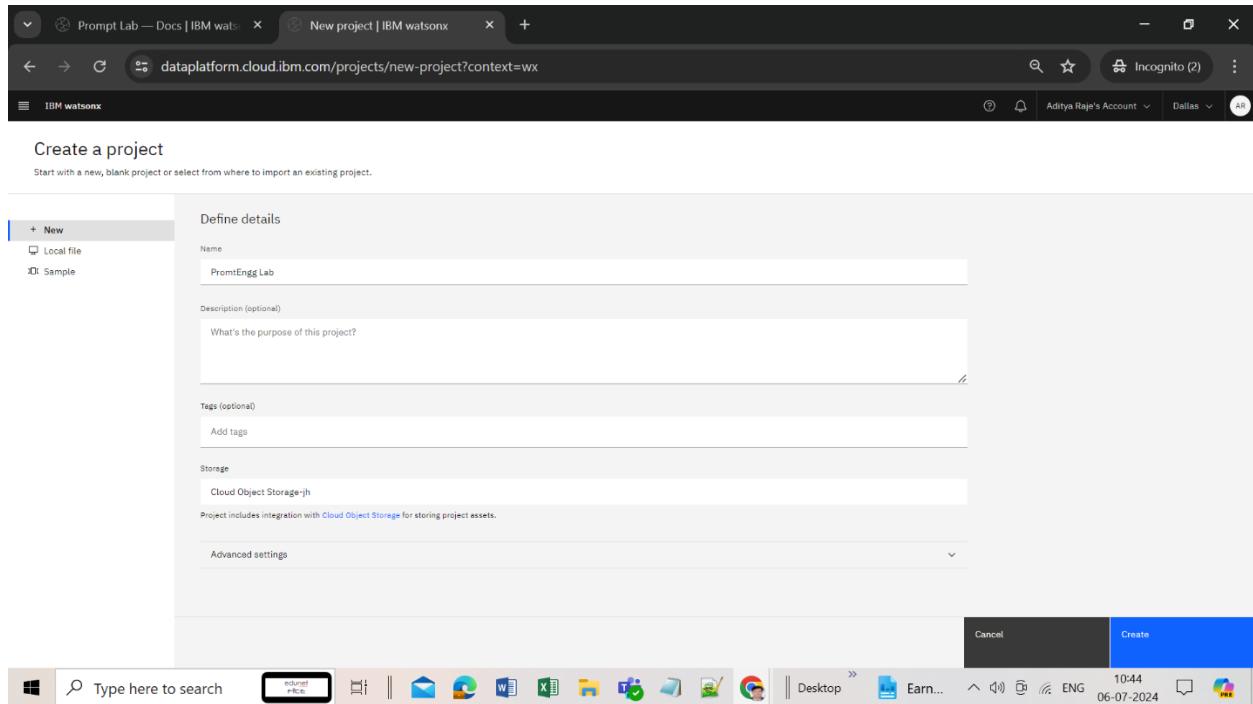
The screenshot shows the 'Create a project' page on the IBM WatsonX platform. The title bar has tabs for 'Prompt Lab — Docs | IBM watsonx' and 'New project | IBM watsonx'. The URL in the address bar is 'dataplatform.cloud.ibm.com/projects/new-project?context=wx'. The main content area is titled 'Define details' and includes fields for 'Name' (containing 'PromptEng Lab'), 'Description (optional)', 'Tags (optional)', and 'Define storage'. Under 'Define storage', there are two steps: 'Select storage service' (with a note to add an object storage instance) and 'Refresh' (with a note about integration with Cloud Object Storage). A progress bar at the bottom indicates 'Project includes integration with Cloud Object Storage for storing project assets.' The bottom right shows a 'Create' button. The taskbar at the bottom of the screen shows various icons for Microsoft Office applications like Word, Excel, and PowerPoint.

The screenshot shows the 'Cloud Object Storage' service catalog page on the IBM WatsonX platform. The title bar has tabs for 'Prompt Lab — Docs | IBM watsonx', 'New project | IBM watsonx', and 'Cloud Object Storage — Services'. The URL is 'dataplatform.cloud.ibm.com/data/catalog/cloud-object-storage?context=wx&target=cloud-object-storage&closeTab=true'. The main content area is titled 'Cloud Object Storage' and shows a 'Summary' section with details: Region: Global, Plan: Lite(deprecated), Service name: Cloud Object Storage-jh, Resource group: Default. Below this is a 'Pricing plan' table:

Plan	Features	Pricing
One Rate	One Rate plan offers a flat monthly charge that includes capacity, and built-in allowances for outbound bandwidth and data access. It is best suited for active workloads with large amounts of outbound bandwidth as a percent of their storage capacity.	See pricing details
Lite(deprecated)	Lite plan instance is free to use for Storage capacity up to 25 GB per month. Lite plan instance is used for trial, and can be easily upgraded to Standard plan for unlimited scalability and full functionality. None Lite plan services are deleted after 30 days of inactivity.	Free
Standard	Standard plan is our most popular Pay-as-You-Go option with no minimum fee, ideal for most enterprise workloads. It includes a Free Tier allowance of free storage for 12 months. To access the Free Tier, choose Smart Tier for your bucket storage class. The Free Tier has no cost per month if your usage is beyond the free tier allowance. Storage up to 50GB/month Up to 2000 Class A (PUT, COPY, POST, and LIST) requests/month Up to 20,000 Class B (GET and all others) requests/month Up to 10GB/month of data retrieval Up to 5GB/month of Public outbound bandwidth Applies to aggregate total across all smart tier buckets and Cloud Object Storage instances within your account.	

A 'Create' button is visible on the right side of the page. The taskbar at the bottom of the screen shows various icons for Microsoft Office applications like Word, Excel, and PowerPoint.

Click Refresh . Click Create



From top left window, Click on **Projects**. It will list all Project name.

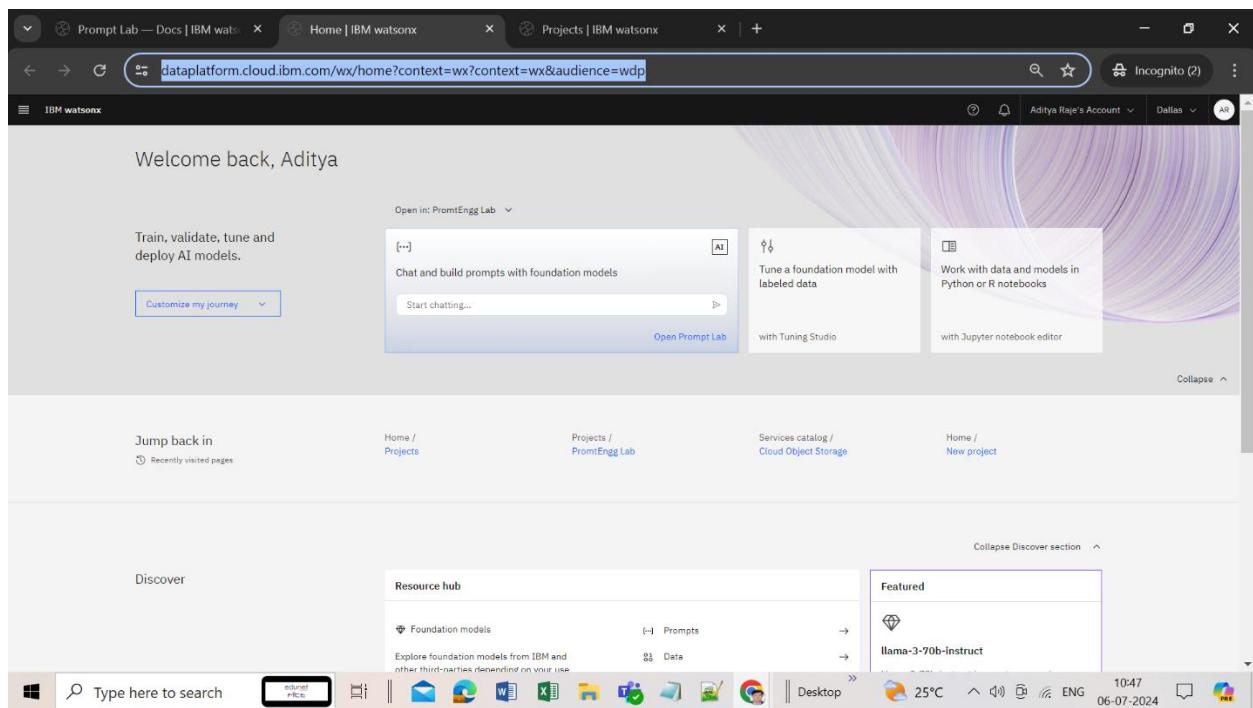
Projects

New project +

Name	Date created	Your role	Collaborators	Tags
P1	Now	Admin	AR	
PromtEngg Lab	7 days ago	Admin	AR	
MLProject	1 month ago	Admin	AR	

Step- Open Home page by clicking on URL [watsonx.ai home page](https://watsonx.ai/home)
(<https://dataplatform.cloud.ibm.com/wx/home?context=wx&context=wx&audience=wdp>)

Step- Choose a project, and then click the **Chat and build prompts with foundation models** tile.



From Project tile –click on Open Prompt Lab

Welcome back, Aditya

Train, validate, tune and deploy AI models.

Open in: PromEngg Lab

Chat and build prompts with foundation models

Start chatting... Open Prompt Lab

Tune a foundation model with labeled data

Work with data and models in Python or R notebooks

with Tuning Studio with Jupyter notebook editor

Jump back in

Recently visited pages

Home / Projects

Projects / PromEngg Lab

Services catalog / Cloud Object Storage

Home / New project

Discover

Resource hub

Foundation models Prompts Data Desktop

Featured

Ilama-3-70b-instruct

Welcome to Prompt Lab

No Watson Studio service detected

To access the Prompt Lab, you must provision a Watson Studio service instance in your account.

Associate service

The output generated by all models is provided to augment, not replace, human decision-making by the Client.

Skip tour Start tour

Sample prompts Chat Structured Freeform

Enter your prompt

Remember: This is a sample prompt.

When you prompt a model, it will return a response.

Try the sample prompt.

Summarization

Meeting transcript summary Summarize the discussion from a meeting transcript.

Earnings call summary Summarize financial highlights from a quarterly earnings call.

Classification

Scenario classification Classify scenarios based on project requirements.

Feedback classification Classify feedback about insurance customer service.

Generation

Marketing email generation Generate email for marketing campaigns.

Thank you note generation Generate thank you note for workshop attendees.

View all [3]

Extraction

Fact extraction Extract information from SEC documents.

Type here to search

Incognito (2)

Aditya Raje's Account Dallas

AI guardrails on

Model: granite-13b-chat-v2

10:47 06-07-2024

Click Associate service. Create watson studio

The screenshot shows the 'Watson Studio' creation interface on the IBM Cloud platform. The top navigation bar includes tabs for 'Prompt Lab — Docs | IBM watson' and 'Prompt Lab — PromptEngg Lab'. The URL in the address bar is dataplatform.cloud.ibm.com/wx/prompts?context=wx&project_id=8e34e08f-b83c-4af7-be40-9ee761ca7724. The page title is 'Watson Studio'. A summary panel on the right shows the service name as 'Watson Studio', region as 'Dallas', plan as 'Lite', and service name as 'Watson Studio-bd'. The main area has tabs for 'Create' (selected) and 'About'. It prompts to 'Select a region' with a dropdown set to 'Dallas'. Below this is a 'Pricing plan' section stating 'Displayed prices do not include tax. Monthly prices shown are for country or region: United States'. A table compares the 'Lite' plan against the 'Professional' plan. The 'Lite' plan offers 1 authorized user, 10 capacity unit-hours monthly limit, and 1 vCPU + 8 GB RAM = 1. The 'Professional' plan offers unlimited authorized users, unlimited capacity unit-hours monthly limit, and up to 4 vCPUs + 16 GB RAM = 4. The 'Create' button is highlighted in blue at the bottom right of the main panel.

New service

The screenshot shows the 'Associate service' interface on the IBM Cloud platform. The top navigation bar includes tabs for 'Prompt Lab — Docs | IBM watson' and 'PromptEngg Lab — Projects | IBM'. The URL in the address bar is dataplatform.cloud.ibm.com/projects/8e34e08f-b83c-4af7-be40-9ee761ca7724/manage/services?context=wx&associate=true. The page title is 'Associate service'. A sidebar lists projects and locations. The main area shows a table with columns: Name, Type, Plan, Location, Status, and Group. A search bar at the top says 'Find services'. A large icon of a person standing next to a server with a question mark above it is centered. Below it, a message states 'No services available' and 'You don't have a service available to associate with this project. Change your filters to display more services, or click Add service to create a new service instance.' Buttons for 'Cancel' and 'Associate' are at the bottom right.

Watson Machine Learning

The screenshot shows the 'Associate service' interface on the IBM Watson Platform. In the 'AI / Machine Learning' section, the 'Watson Machine Learning' service is selected, highlighted with a gray border. The service card provides a brief description: 'Develop sophisticated machine learning models using Notebooks and code-free tools to infuse AI throughout your organization.' It also indicates it's 'Lite • Free'. Other services listed include 'watsonx-governance' (AI / Machine Learning • Analytics) and 'Watson Studio' (AI / Machine Learning). Below this, the 'Analytics' section lists 'DB2 Warehouse', 'Data Product Hub', and 'Analytics Engine'. The browser address bar shows the URL: <https://dataplatform.cloud.ibm.com/projects/8e34e08f-b83c-4af7-be40-9ee761ca7724/manage/services?context=wx&associate=true>.

Select same region as Dallas -create

The screenshot shows the 'Create Watson Machine Learning' dialog box. The 'Create' tab is selected. On the left, there's a 'Select a region' dropdown set to 'Dallas'. On the right, the 'Summary' section displays the service details: 'Watson Machine Learning', 'Region: Dallas', 'Plan: Lite', 'Service name: Watson Machine Learning-bl', and 'Resource group: Default'. At the bottom of the dialog, there are 'Create', 'View terms', and 'Cancel' buttons. The browser address bar shows the URL: <https://dataplatform.cloud.ibm.com/projects/8e34e08f-b83c-4af7-be40-9ee761ca7724/manage/services?context=wx&associate=true>.

Select checkbox and click Associate

The screenshot shows a web browser window titled "Associate service" from the "PromptLab" section of the IBM WatsonX interface. The page displays a table of services associated with a project. One service, "Watson Machine Learning-bl", is listed with details: Type "Watson Machine Learning", Plan "Lite", Location "Dallas", Status "Not associated", and Group "Default". A "Find services" search bar is present above the table. At the bottom right of the dialog, there are "Cancel" and "Associate" buttons.

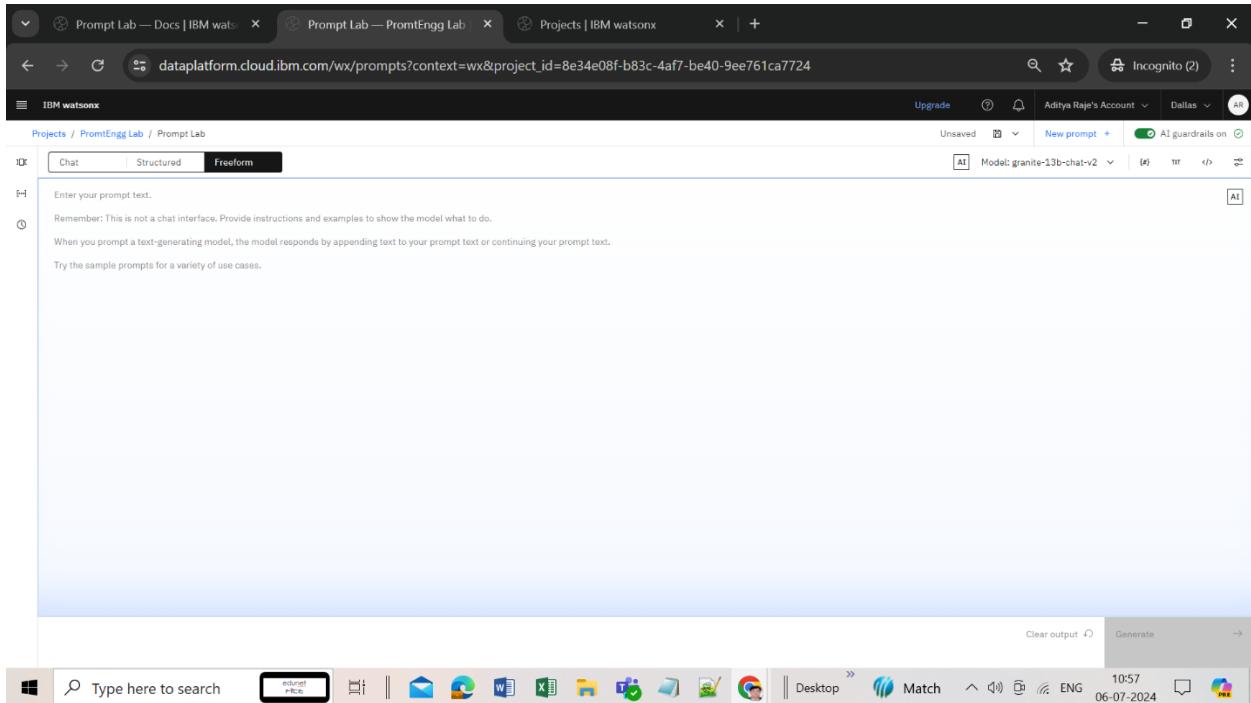
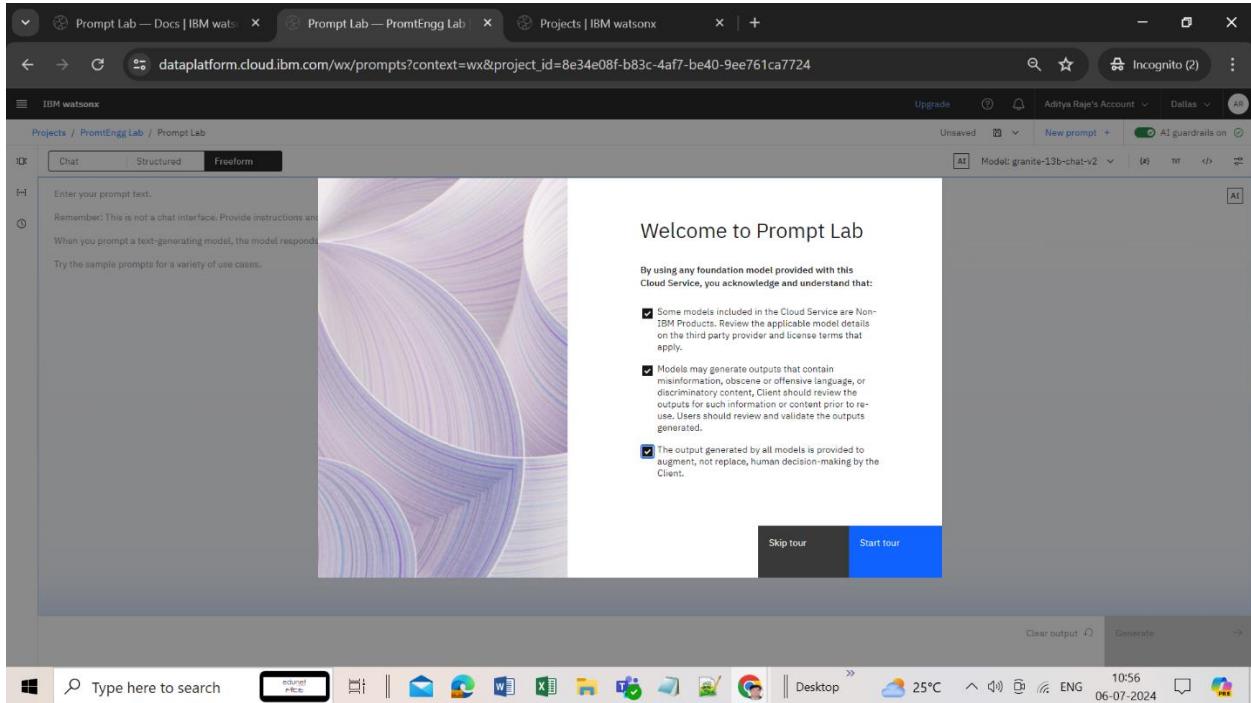
Step- Goto Home page , open link [watsonx.ai home page](https://watsonx.ai)

(<https://dataplatform.cloud.ibm.com/wx/home?context=wx&context=wx&audience=wdp>) , choose a project, and then click the **Chat and build prompts with foundation models** tile.

Click on open prompt

The screenshot shows the IBM WatsonX home page. At the top, there's a banner with the text "Welcome back, Aditya". Below the banner, there are several tiles: "Train, validate, tune and deploy AI models.", "Customize my journey", "Jump back in", and "Recently visited pages". In the center, there's a prominent tile titled "Chat and build prompts with foundation models" with the sub-instruction "Start chatting...". To its right are two other tiles: "Tune a foundation model with labeled data" (with "with Tuning Studio") and "Work with data and models in Python or R notebooks" (with "with Jupyter notebook editor"). At the bottom, there are links for "Home / Projects", "Projects / PromptEngg Lab", "PromptEngg Lab / Prompt Lab", and "Services catalog / Cloud Object Storage". The URL in the address bar is <https://dataplatform.cloud.ibm.com/wx/home?context=wx&context=wx&audience=wdp>.

Step- Select all three check box and click of skip tour



Select Freedom – write your prompt like What is AI – click on Generate

The screenshot shows the IBM Watson Prompt Lab interface. In the top navigation bar, there are tabs for 'Prompt Lab — Docs | IBM watson', 'Prompt Lab — PromtEngg Lab', and 'Projects | IBM watsonx'. The main content area is titled 'IBM watsonx' and shows a 'Freeform' tab selected. A text input field contains the prompt 'What is AI'. At the bottom right of the input field is an 'AI' button. Below the input field is a large blue 'Generate' button. The status bar at the bottom indicates the time as 10:58 and the date as 06-07-2024.

You will get output as Prompt response

The screenshot shows the IBM Watson Prompt Lab interface after generating a response. The generated text is as follows:

```
What is AI
Artificial Intelligence (AI) is a branch of computer science that aims to create systems capable of performing tasks that would normally require human intelligence. These tasks include learning and adapting to new information, understanding human language, recognizing patterns, solving problems, and making decisions. AI has made significant strides in recent years, with applications ranging from self-driving cars to voice assistants and personalized recommendations.

AI can be categorized into two main types: weak AI and strong AI. Weak AI, also known as narrow AI, is designed to perform a specific task, such as facial recognition or internet searches. Strong AI, or artificial general intelligence (AGI), can understand, learn, and apply knowledge across a broad range of tasks at a level equal to or beyond human capabilities. Currently, strong AI remains a theoretical concept and is not yet realized.

AI systems typically consist of three main components:
1. Perception: The process by which the AI system interacts with the environment; gathering data
```

The status bar at the bottom indicates the time as 10:59 and the date as 06-07-2024.

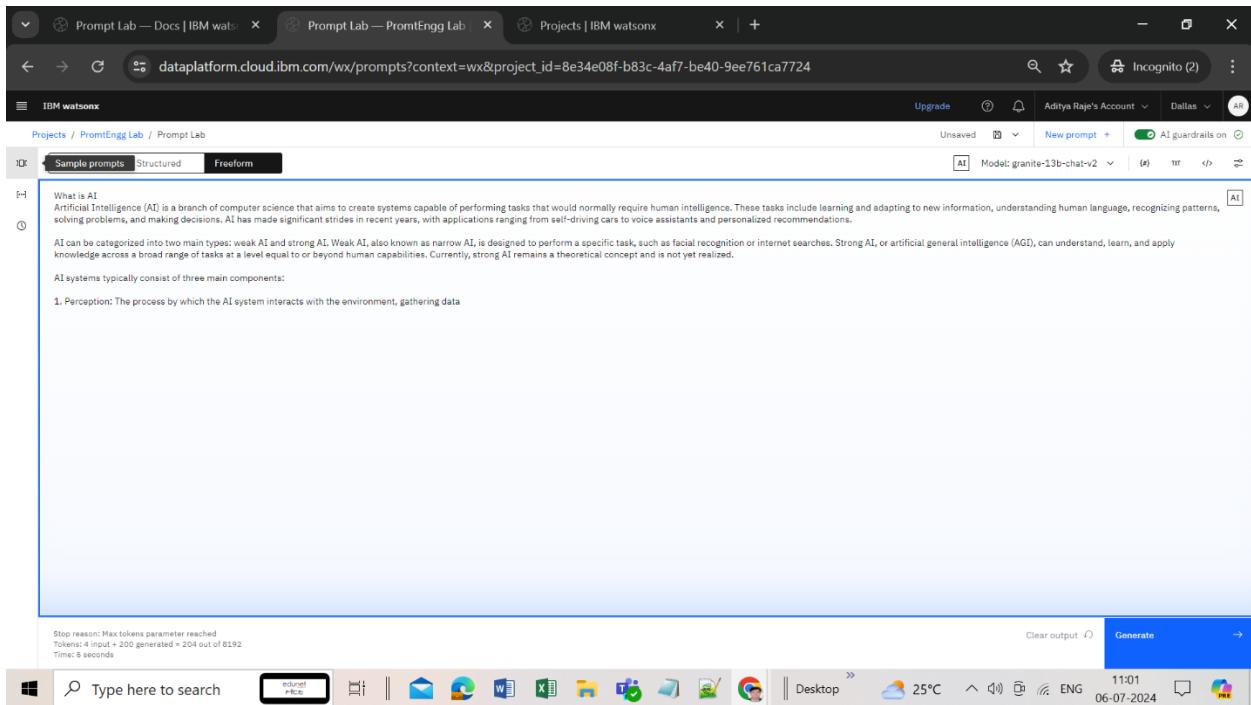
To run a sample prompt, complete the following steps:

1. From the *Sample prompts* menu in the Prompt Lab, select a sample prompt.

The prompt is opened in the editor and an appropriate model is selected.

2. Click **Generate**.

From left side click on icon Generate sample prompt



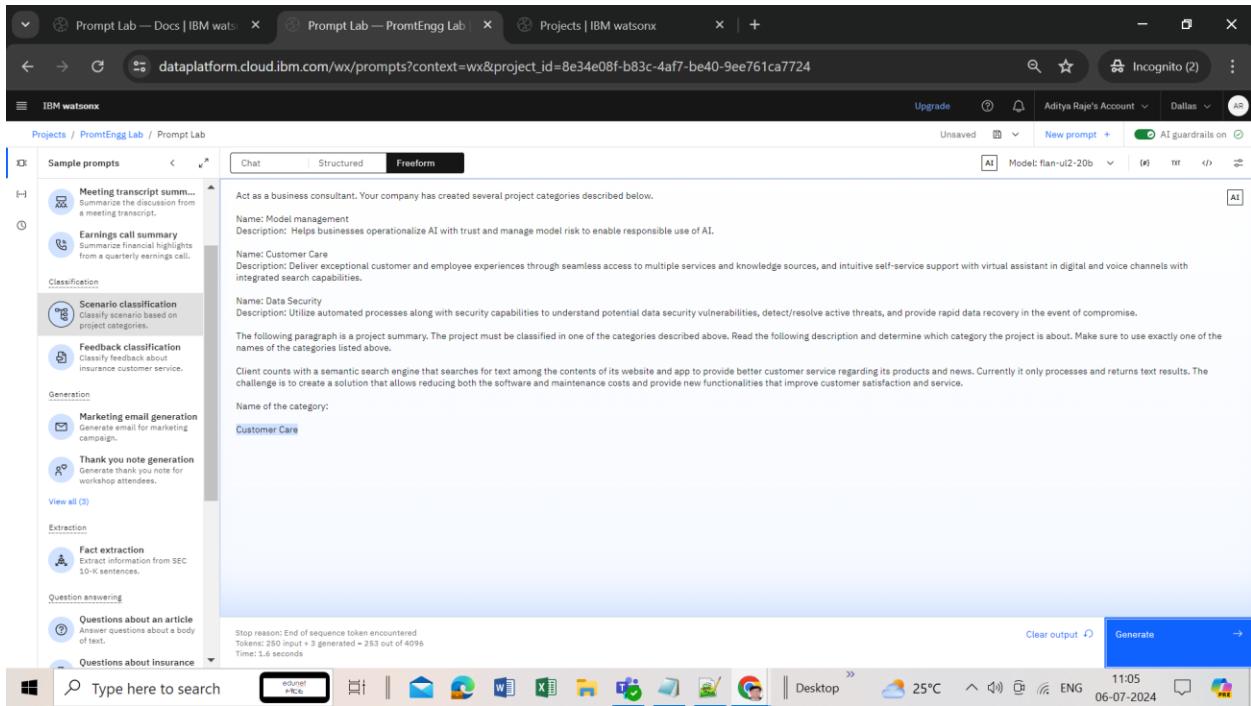
The screenshot shows the IBM WatsonX Prompt Lab interface. A sidebar on the left lists various AI prompt types: Summarization, Classification, Generation, and Extraction. The main panel displays a detailed AI-generated response to the question "What is AI". The response is categorized into two main types: weak AI and strong AI. It describes AI as a branch of computer science that aims to create systems capable of performing tasks that would normally require human intelligence. The response also mentions that AI can be categorized into three main components: perception, learning, and applying knowledge.

Click on Scenario classification –

The screenshot shows the IBM WatsonX Prompt Lab interface. The main panel displays a detailed AI-generated response to the question "Act as a business consultant. Your company has created several project categories described below." The response provides descriptions for four categories: Model management, Customer Care, and Data Security. It also includes a summary paragraph about classifying projects into categories based on their descriptions.

click on Generate

You will get response as –Customer care.



Click on code generation section

Screenshot of the IBM WatsonX Prompt Lab interface showing a code generation task.

The interface includes:

- Header: Prompt Lab — Docs | IBM watsonx, Prompt Lab — PromptEngg Lab, Projects | IBM watsonx, Incognito (2).
- Toolbar: Upgrade, Aditya Raje's Account, Dallas, AI guardrails off.
- Left sidebar:
 - Sample prompts: "Generate sample prompts for your reuse in workshops or attendances." (Chat, Structured, Freeform tabs)
 - Extraction:
 - Fact extraction: Extract information from SEC 10-K sentences.
 - Question answering:
 - Questions about an article: Answer questions about a body of text.
 - Questions about insurance: Answer questions about insurance and technology.
 - Code:
 - Code generation: Generate Python code from a set of instructions.
 - Code translation: Translate C++ code to Python code.
 - Translation:
 - English to French: Translate text in English to French.
 - English to Spanish: Translate text in English to Spanish.
- Central workspace:
 - Examples (optional):
 - Input: "# Write a Python function that prints 'Hello World' string 'n' times." Output: def print_n_times(n): for i in range(n): print("Hello World!")...
 - Add example +
 - Try ^
 - Test your prompt:
 - Input: "# Write a Python function, which generates sequence of prime numbers. # The function 'primes' will take the argument 'n', an int. It will return a list which contains all primes less than 'n'.
 - Output: def primes(n): prime_list = [] for i in range(2, n+1): if i >= 2: for j in range(2, i): if (i % j) == 0: break else: prime_list.append(i) return prime_list <end of code>
 - New test +
 - Clear output ↻
 - Generate →
- Bottom status bar: Type here to search, desktop icons, 25°C, ENG, 11:06, 06-07-2024.

Click on Code translation

The screenshot shows the IBM Watson Prompt Lab interface. On the left, there's a sidebar with various AI models listed under categories like Extraction, Question answering, and Code. The 'Code' section is currently selected, specifically the 'Code translation' model which translates C++ code to Python. In the main workspace, there are two code editors: one for C++ and one for Python. The C++ editor contains the following code:

```
#include <iostream>
using namespace std;
int countAPx(int S, int D) {
    S = S * 2;
    int answer = 0;
    for (int i = 1; i <= sqrt(S); i++) {
        if (S % i == 0) {
            if ((S / i - D * i + D) % 2 == 0)
```

The Python editor shows the generated code:

```
from math import *
def countAPx(S, D):
    S = S * 2
    answer = 0
    for i in range(1, int(sqrt(S)) + 1):
        if (S % i == 0):
            if (((S / i) - D * i + D) % 2 == 0):
```

At the bottom right of the workspace, there are 'Clear output' and 'Generate' buttons. The status bar at the bottom indicates the time as 11:08 and the date as 06-07-2024.

Click on English to French Translation

The screenshot shows the IBM Watsonx Prompt Lab interface. On the left, there's a sidebar with categories like 'Sample prompts', 'Extraction' (Fact extraction, Question answering, Questions about an article, Questions about insurance), and 'Code' (Code generation, Code translation). The main area has tabs for 'Chat', 'Structured', and 'Freeform'. Under 'Chat', there's an 'Instruction (optional)' field containing 'Translate the following text from English to French:' followed by examples. One example shows the text 'Finally, I welcome paragraph 16 which calls for a review of the way we deal with human rights issues in Parliament.' and its translation 'Enfin, je me réjouis du paragraphe 16 qui appelle à une révision de la manière dont nous abordons les questions relatives aux droits de l'homme au sein du Parlement.'. Below this, there's a 'Try' section with a 'Text:' input field containing 'If we do not greatly increase the use of intelligent technology, we will not achieve our targets.' and a 'Translation:' output field showing the French translation 'Si nous ne parvenons pas à augmenter considérablement l'utilisation de la technologie intelligente, nous ne serons pas en mesure d'atteindre nos objectifs.'. A 'Generate' button is at the bottom right.

All these prompts are executed with flan-ul2-20b LLM

This screenshot shows the same IBM Watsonx Prompt Lab interface as above, but with a different focus. The left sidebar shows a 'History' section for Saturday, July 6, 2024, with several entries. One entry is expanded, showing a prompt about translating text from English to French and a response. Another entry shows a prompt about model management and a response. The interface includes a 'Recent' dropdown menu where 'flan-ul2-20b' is selected. The bottom of the screen shows a taskbar with various icons and system status information.

You can try prompt output with other LLM .

You can change LLM – From top right - Click on Drop down Arrow- select View all Foundation Models

The screenshot shows the IBM WatsonX Prompt Lab interface. On the left, there's a sidebar titled "History" showing a list of interactions from July 6, 2024:

- Now flan-ul2-20b Translate the following text to... Customer Care
- + 11:09 AM grante-20b-multilingual Translate the following text to... D attendee has objective
- + 11:08 AM codellama-34b-instruct-hf Translate the following code to... D = 2
- + 11:06 AM codellama-34b-instruct-hf Using the directions below, prime_1st_answer=0
- + 11:05 AM flan-ul2-20b Generate a short summary for... Customer Care
- + 10:59 AM grante-13b-chat-v2 What is AI environment, gathering data

The main workspace displays a prompt for "Model management" and "Customer Care". A dropdown menu is open at the top right, showing "flan-ul2-20b" selected. Other options in the dropdown include "View all foundation models" and "channels with".

At the bottom, there's a toolbar with icons for "Clear output", "Generate", and other settings. The taskbar at the very bottom shows the date and time as 06-07-2024, 11:13.

Select Model as per your requirement and run the prompt examples again

The screenshot shows the IBM Watsonx Prompt Lab interface. The user is in the 'Prompt Lab' section of a project. A search bar at the top says 'Search for a model or task'. Below it is a grid of model cards. The first card is 'merlinite-7b' (InstructLab). The second card is 'granite-13b-instruct-v2' (IBM, Provided model). The third card is 'granite-20b-code-instruct' (IBM, Provided model). The fourth card is 'granite-20b-multilingual' (IBM, InstructLab). The fifth card is 'granite-34b-code-instruct' (IBM, Provided model). The sixth card is 'granite-3b-code-instruct' (IBM, Provided model). The seventh card is 'granite-7b-lab' (IBM, InstructLab). The eighth card is 'granite-8b-code-instruct' (IBM, Provided model). The ninth card is 'llama-2-13b-chat' (Meta, Provided model). The tenth card is 'llama-2-70b-chat' (Meta, Provided model). The eleventh card is 'llama-3-70b-instruct' (Meta, Provided model). The twelfth card is 'llama-3-8b-instruct' (Meta, Provided model). The thirteenth card is 'mixtral-8x7b-instruct-v01' (IBM, InstructLab). The fourteenth card is 'mixtral-8x7b-instruct-v01' (Meta, Provided model). The bottom of the screen shows a Windows taskbar with various icons and system status.

For example, select **llama-3-70b-instruct**

The screenshot shows the 'llama-3-70b-instruct' model page in the IBM Watsonx Prompt Lab. At the top, there's a note about being a Non-IBM Product governed by a third-party license. Below that is a 'Model Datasheet' section with tabs for 'Model Details', 'Variations', 'Input Models', and 'Model Architecture'. The 'Model Details' tab is active, showing that the model is licensed under the META LLAMA 3 Community License, Copyright © Meta Platforms, Inc. All Rights Reserved. It also notes that Meta developed and released the Meta Llama 3 family of large language models (LLMs), a collection of pretrained and instruction tuned generative text models in 8 and 70B sizes. The Llama 3 instruction tuned models are optimized for dialogue use cases and outperform many of the available open source chat models on common industry benchmarks. Further, in developing these models, we took great care to optimize helpfulness and safety. The bottom of the screen shows a Windows taskbar with various icons and system status.

The screenshot shows the IBM Watsonx Prompt Lab interface. At the top, there are three tabs: "Prompt Lab — Docs | IBM watsonx", "Prompt Lab — PromtEngg Lab", and "Projects | IBM watsonx". The main browser window displays the URL dataplatform.cloud.ibm.com/wx/prompts?context=wx&project_id=8e34e08f-b83c-4af7-be40-9ee761ca7724. The page content is a "History" section for Saturday, July 6, 2024, showing a sequence of AI interactions. A "Freeform" input field is open, displaying a hint: "Hint: This model works better when you provide at least 1 example." Below the hint, there is a detailed description of the task: "Act as a business consultant. Your company has created several project categories described below." It lists three categories with their names and descriptions:

- Name: Model management
Description: Helps businesses operationalize AI with trust and manage model risk to enable responsible use of AI.
- Name: Customer Care
Description: Deliver exceptional customer and employee experiences through seamless access to multiple services and knowledge sources, and intuitive self-service support with virtual assistant in digital and voice channels with integrated search capabilities.
- Name: Data Security
Description: Utilize automated processes along with security capabilities to understand potential data security vulnerabilities, detect/resolve active threats, and provide rapid data recovery in the event of compromise.

The input field also contains a note about project summary classification and a semantic search challenge. The user has typed "Customer Care" as the category name. At the bottom of the input field, it says "Stop reason: Stop Sequence encountered" and "Tokens: 174 input > 47 generated = 221 out of 8192 | Seed: 42 Time: 2.1 seconds". To the right of the input field are "Clear output" and "Generate" buttons. The status bar at the bottom shows "Desktop" with a globe icon, "25°C", "11:18 06-07-2024", and "ENG".

Congratulations! You successfully completed the hands-on work for Prompt Lab using IBM Watsonx.