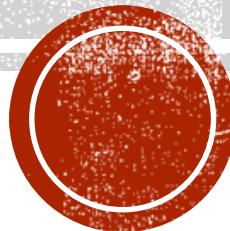


LIBRARY AI AGENT

Project by SARANYA S



LIBRARY AI AGENT- INTRO

As a student myself, I often came to struggle finding the most relevant learning materials from vast library collections. Manually searching for resources based on course syllabi, topics, or personal learning goals can be time-consuming, tiring and inefficient. So if There is an intelligent system that can understand student queries, analyse course needs, and suggest suitable books and study materials from the library. It would be easy to find the required books which are syllabus relevant and easy understandable to students by the Intelligent AI Agent.



LOG IN TO CLOUD.IBM.COM

The screenshot shows the IBM Cloud dashboard interface. At the top, there's a header bar with the IBM Cloud logo, a search bar, and navigation links for Catalog, Manage, and SARANYA SARAVANAN'... (user profile). On the far right of the header are icons for Help, Support, Notifications, and Account.

The main content area is titled "Dashboard". It features a sidebar on the left with various icons for different services like Build, Watson Assistant, Watson Studio, and Watson Build. The main area displays several service cards:

- Build**: Explore IBM Cloud with this selection of easy starter tutorials and services. (Recommended, 1 min)
- Track emissions with Carbon Calculator**: View estimated greenhouse gas emissions for your IBM Cloud account and export data for ESG reporting. (Popular, 2 min)
- Use Watson Assistant**: Watson Assistant lets you build conversational interfaces into any application, device, or channel. (Popular, 2 min)
- Use Watson Studio**: Watson Studio provides a suite of tools and a collaborative environment for data scientists, developers and domain experts. (Popular, 2 min)
- Build with Watson**: Chatbots, insights, recognizers, and more. Explore the AI platform for business. (Popular, 3 min)

At the bottom of the dashboard, there are three status sections: "IBM Cloud status" (View all), "Recent support cases" (View all), and "Planned maintenance" (View all).



CLICK WATSONX

The screenshot shows the IBM Cloud WatsonX service dashboard. On the left, a sidebar lists various services: Infrastructure, Observability, Platform Automation, Security, API Management, Cloud Pak for Data, Partner Center, SAP, Satellite, VMware, and WatsonX. The WatsonX service is highlighted with a purple selection bar. The main content area displays four cards:

- Track emissions with Carbon Calculator**: View estimated greenhouse gas emissions for your IBM Cloud account and export data for ESG reporting. Status: Recommended, 1 min.
- Use Watson Assistant**: Watson Assistant lets you build conversational interfaces into any application, device, or channel. Status: Popular, 2 min.
- Build with Watson**: Chatbots, insights, recognizers, and more. Explore the AI platform for business. Status: Popular, 3 min.
- Use Watson Studio**: Watson Studio provides a suite of tools and a collaborative environment for data scientists, developers and domain experts. Status: Popular, 2 min.

At the bottom, there are links for "View all", "Recent support cases", "View all", "Planned maintenance", and "View all". The top navigation bar includes a search bar, Catalog, Manage, and a user profile for SARANYA SARAVANAN's Account. A "Create resource" button is also visible.



WATSONX.AI

watsonx - IBM Cloud

cloud.ibm.com/watsonx/overview

IBM Cloud

Watsonx

Documentation

watsonx.ai

watsonx.governance

watsonx.data

watsonx.data intelligence

watsonx.data integration

Search resources and products...

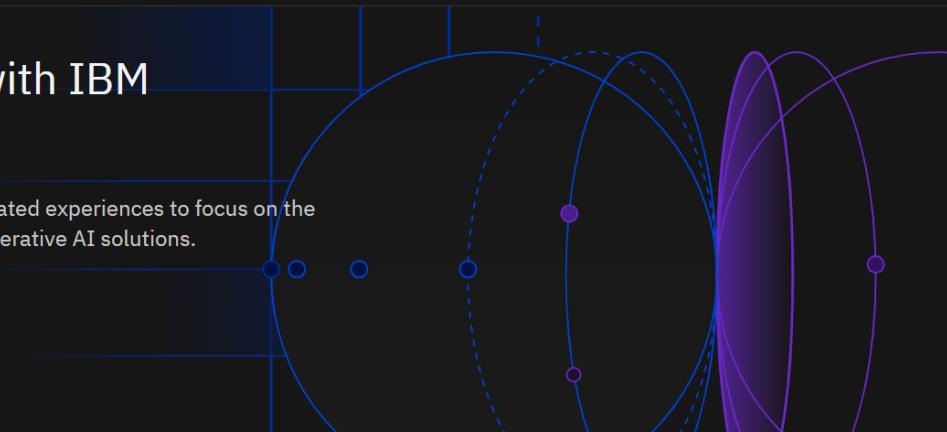
Catalog

Manage

SARANYA SARAVANAN'...

Build AI solutions with IBM watsonx

IBM watsonx™ provides multiple integrated experiences to focus on the core workflows for building custom generative AI solutions.



watsonx

Build, evaluate, and deliver AI solutions that are informed by your enterprise knowledge.

Data Fabric

Design a data architecture to deliver high-quality, trusted data products that are ready for AI.

watsonx.data Premium

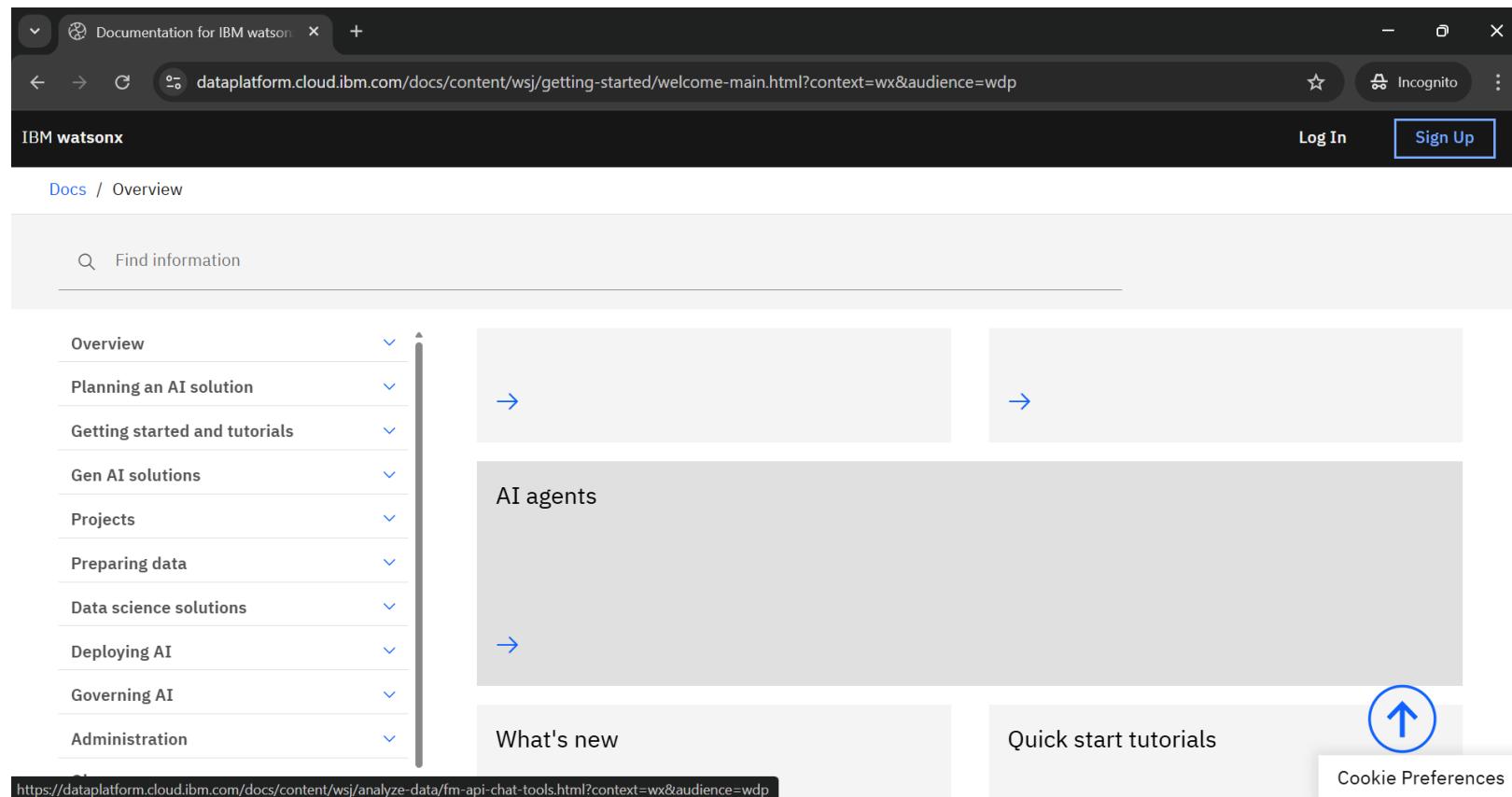
The only hybrid, open data lakehouse for enterprise AI and analytics.

Start free trial

https://dataplatform.cloud.ibm.com/docs/content/wsj/getting-started/welcome-main.html?context=wx&audience=wdp



CLICK ON AI AGENTS



GO TO AGENT LAB(BETA)

The screenshot shows a web browser window with the following details:

- Title Bar:** Building agent-driven workflow
- URL:** dataplatform.cloud.ibm.com/docs/content/wsj/analyze-data/fm-api-chat-tools.html?context=wsj&audience=wdp
- Header:** IBM watsonx, Log In, Sign Up
- Breadcrumbs:** Docs / Gen AI solutions / Automating tasks with AI agents / Agent-driven chat
- Search Bar:** Q Find information
- Left Sidebar (Menu):**
 - Overview
 - Planning an AI solution
 - Getting started and tutorials
 - Gen AI solutions
 - Terms of use
 - Tokens
 - Supported foundation models
 - Building prompts
 - Automating tasks with AI agents
 - Agent Lab (beta) **(highlighted in blue)**
 - Agent-driven chat
 - Coding generative AI solutions
- Main Content Area:**

Building agent-driven workflows with the chat API

Last updated: Jul 25, 2025

Use the watsonx.ai chat API with foundation models that support tool calling to build agent-driven applications.

Ways to develop

You can build agent-driven workflows by using these programming methods:

 - REST API
 - Python
- Page Bottom:**

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

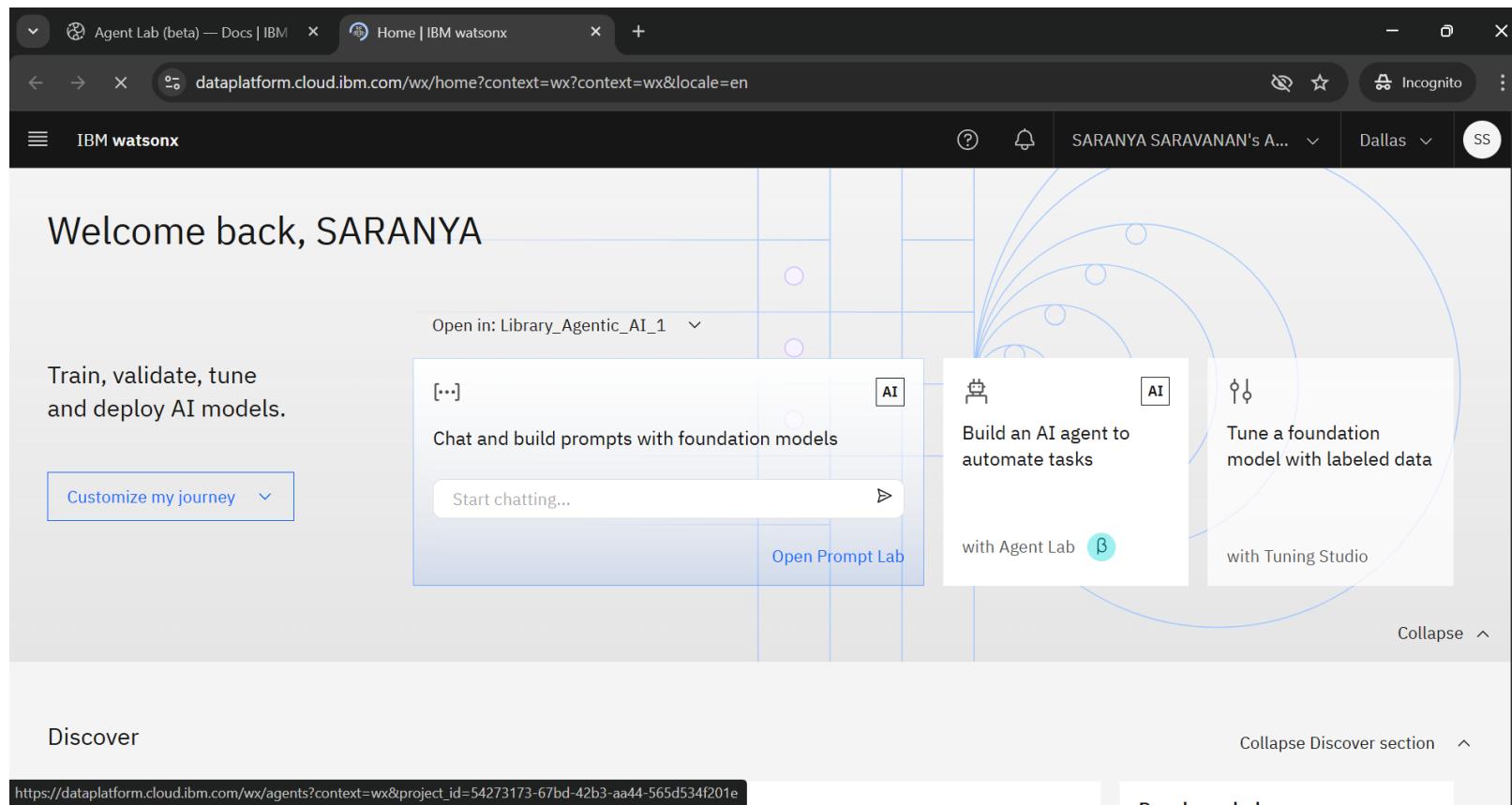
Cookie Preferences

SCROLL DOWN AND CLICK ON WATSONX.AI HOME PAGE

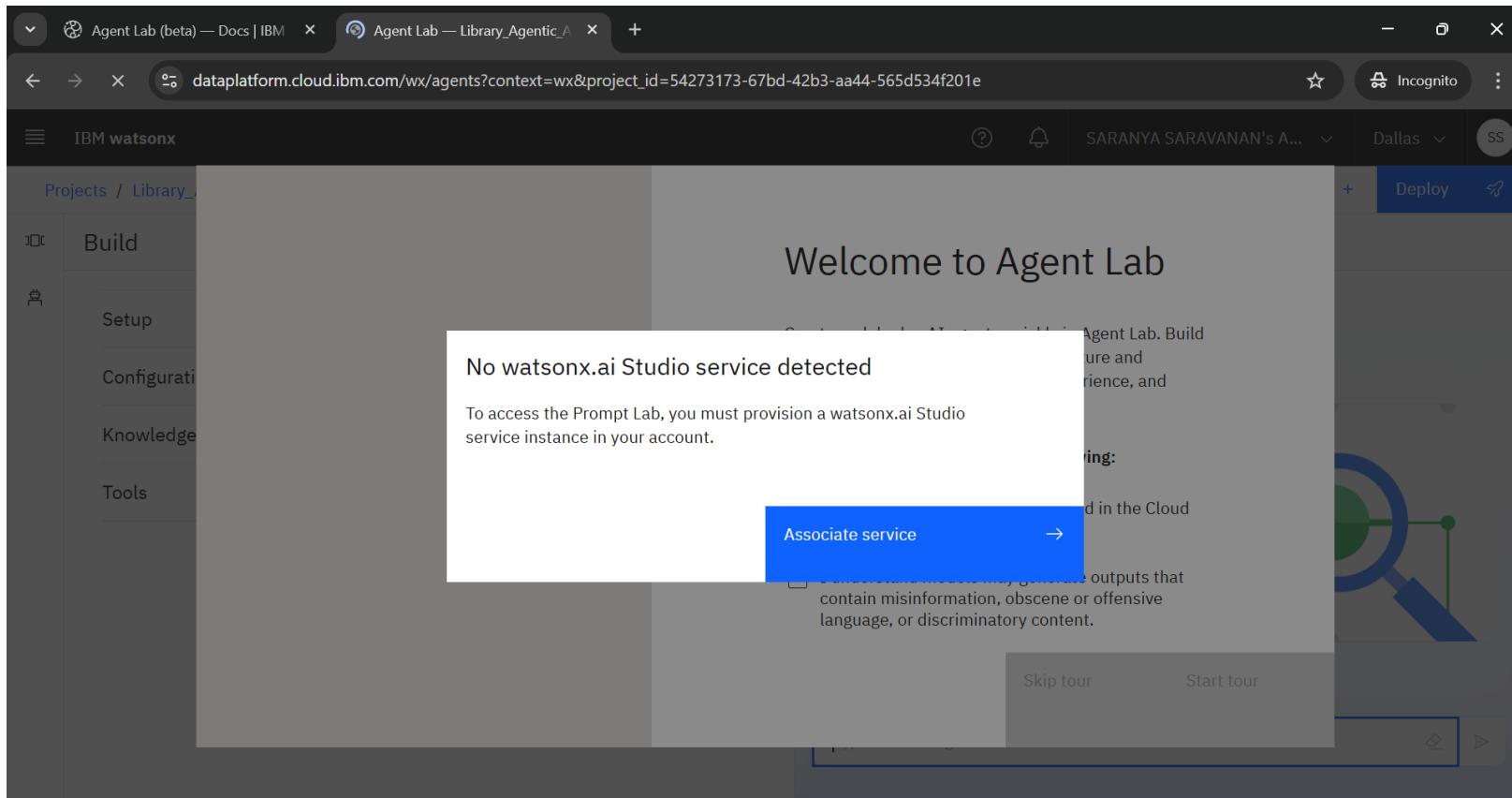
The screenshot shows a web browser window with the following details:

- Title Bar:** Agent Lab (beta) — Docs | IBM
- URL:** dataplatform.cloud.ibm.com/docs/content/wsj/analyze-data/fm-agent-lab.html?context=wsj&audience=wdp
- Header:** IBM watsonx, Log In, Sign Up
- Breadcrumbs:** Docs / Gen AI solutions / Automating tasks with AI agents / Agent Lab (beta)
- Search Bar:** Q Find information
- Sidebar (Left):** Overview, Planning an AI solution, Getting started and tutorials, Gen AI solutions (expanded), Terms of use, Tokens, Supported foundation models, Building prompts, Automating tasks with AI agents (expanded), Agent Lab (beta) (selected), Agent-driven chat, Coding generative AI solutions.
- Content Area:**
 - Section Header:** Build an agent with Agent Lab: IBM watsonx
 - Text:** You are a helpful assistant that uses tools to answer questions in detail.
 - Text:** To build an AI agent, complete the following steps:
 - From the [watsonx.ai home page](#), choose a project, and then click the **New asset > Build an AI agent to automate tasks** tile.
 - Select a foundation model and optionally update model parameters. For details, see [Foundation model configuration](#).
 - To set up your agent, specify a name for the agent and describe the tasks the agent performs.
 - Text:** *Optional:* Add some sample questions that the user can submit to start interacting with the agent.
- Footer:** https://dataplatform.cloud.ibm.com/wx/home?context=wsj&context=wsj&locale=en, Select an icon and background image to customize how your agent appears in the Agent
- Bottom Right:** Cookie Preferences, Up arrow icon

GO TO BUILD AN AI AGENT TO AUTOMATE TASKS



CLICK ASSOCIATE SERVICE



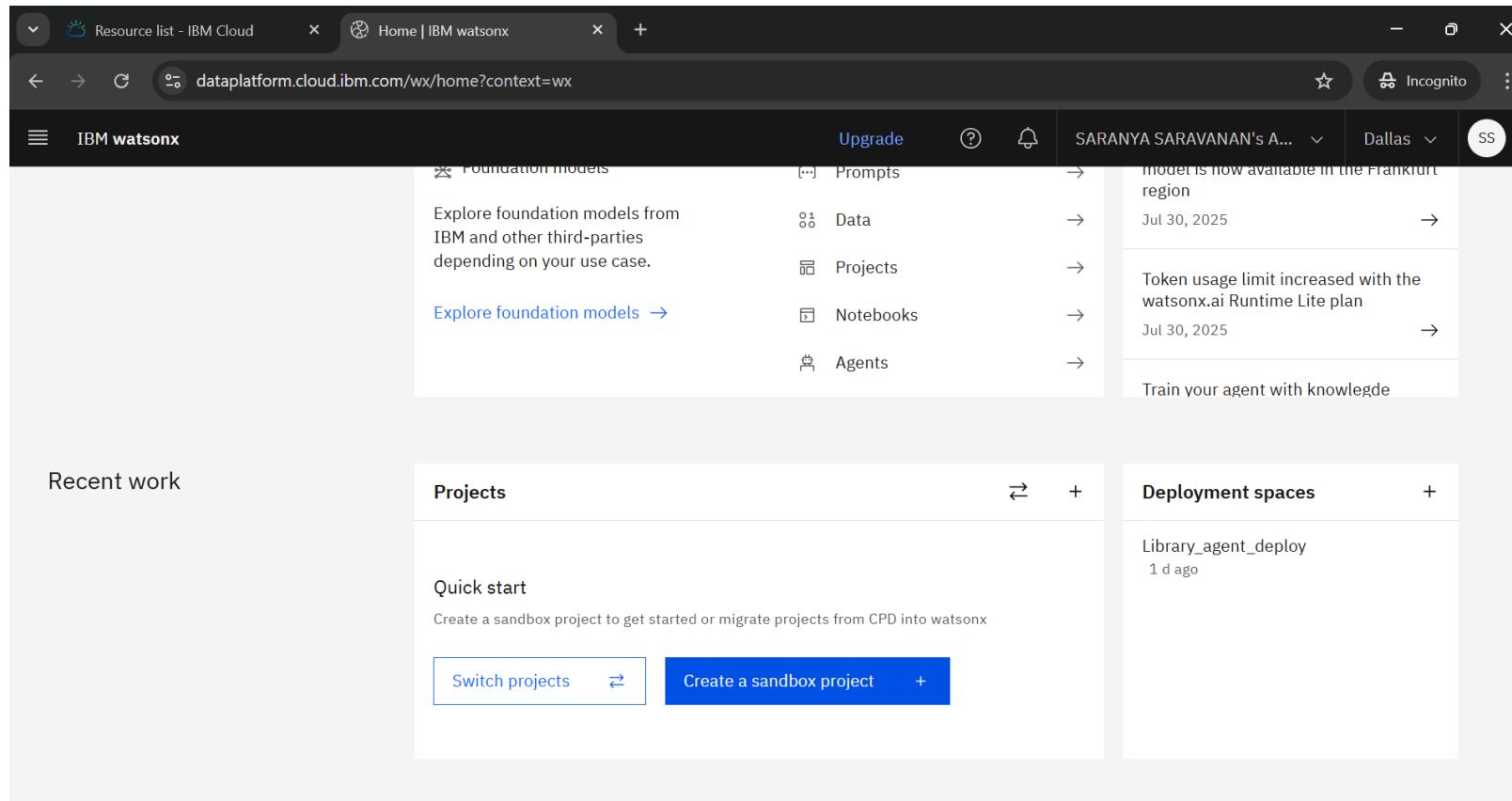
SELECT THE FREE SERVICE AND CREATE

The screenshot shows a web browser window for the IBM WatsonX Agent Lab. The URL is `dataplatform.cloud.ibm.com/wx/agents?context=wx&project_id=54273173-67bd-42b3-aa44-565d534f201e`. The interface includes a header with tabs for 'Agent Lab (beta) — Docs | IBM' and 'Agent Lab — Library_Agentic_A'. The main area has tabs for 'Projects / Library'. A modal dialog is open, titled 'Select a region', showing a dropdown menu with 'Dallas' selected. Below this, a 'Pricing plan' section displays a table comparing 'Lite' and 'Standard' plans. The 'Lite' plan is highlighted with a blue background and checked in the 'Selected' column. The 'Standard' plan is shown with a grey background. The 'Pricing' column indicates that the 'Lite' plan is 'Free'. To the right of the modal, a 'Summary' section details the creation of a 'watsonx.ai Studio' instance in the 'Dallas' region with a 'Plan: Lite'. It also lists the service name as 'watsonx.ai Studio-rt' and the resource group as 'Default'. At the bottom of the modal are 'Create' and 'View terms' buttons, and a 'Cancel' button at the bottom right.

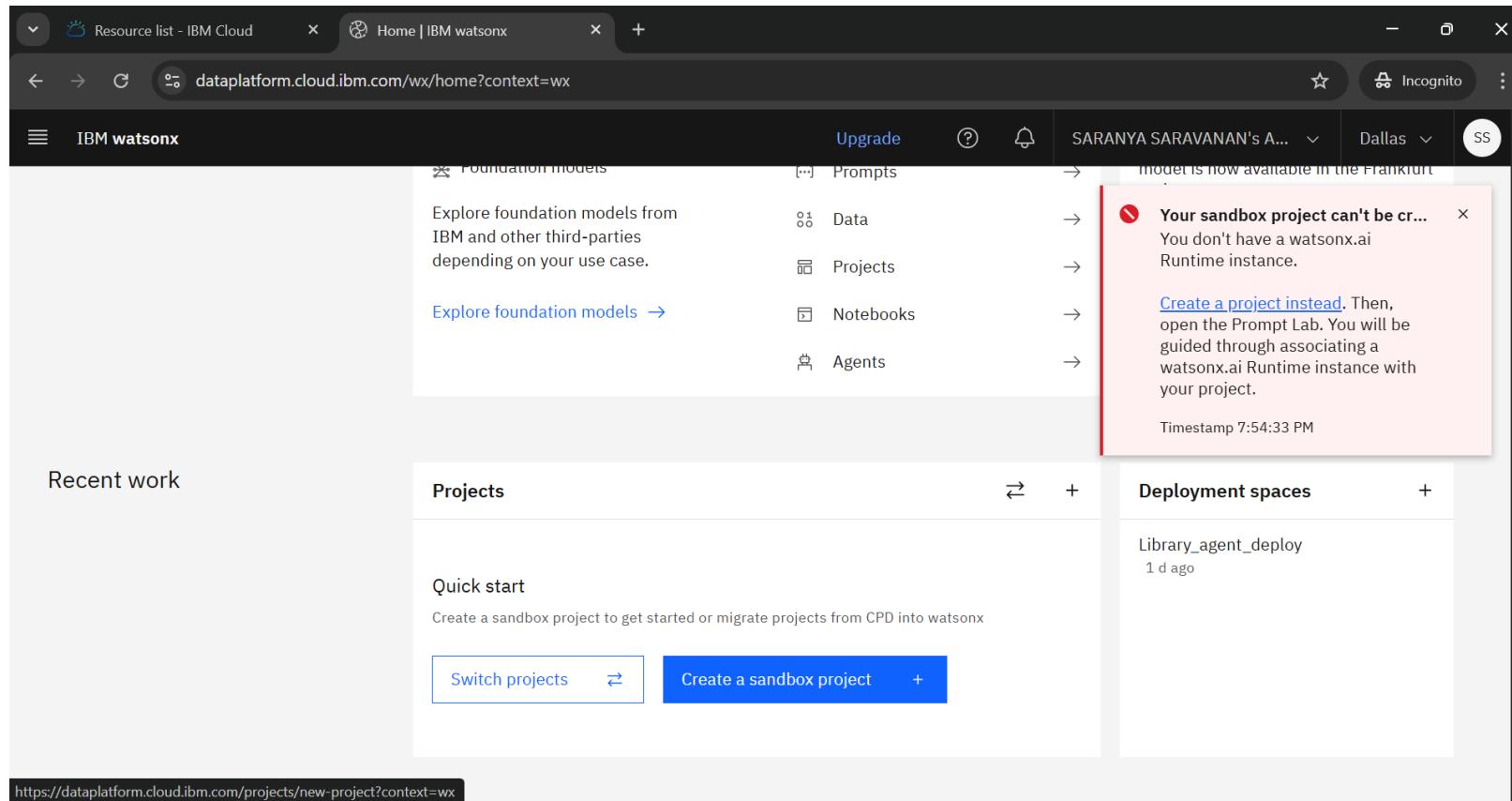
Plan	Features	Pricing	Selected
Lite	<p>1 authorized user</p> <p>10 capacity unit-hours monthly limit</p> <p>Environment = # of capacity units required per hour</p> <ul style="list-style-type: none">• 1 vCPU + 4 GB RAM = 0.5• 2 vCPU + 8 GB RAM = 1• 4 vCPU + 16 GB RAM = 2• Decision Optimization + Watson NLP = Environment + 5• Synthetic Data Generator = 2 vCPU + 8 GB RAM	Free	<input checked="" type="checkbox"/>
Standard	<p>5 authorized users</p> <p>50 capacity unit-hours monthly limit</p> <p>Environment = # of capacity units required per hour</p> <ul style="list-style-type: none">• 1 vCPU + 4 GB RAM = 0.5• 2 vCPU + 8 GB RAM = 1• 4 vCPU + 16 GB RAM = 2• Decision Optimization + Watson NLP = Environment + 5• Synthetic Data Generator = 2 vCPU + 8 GB RAM	\$10.00/mo	<input type="checkbox"/>



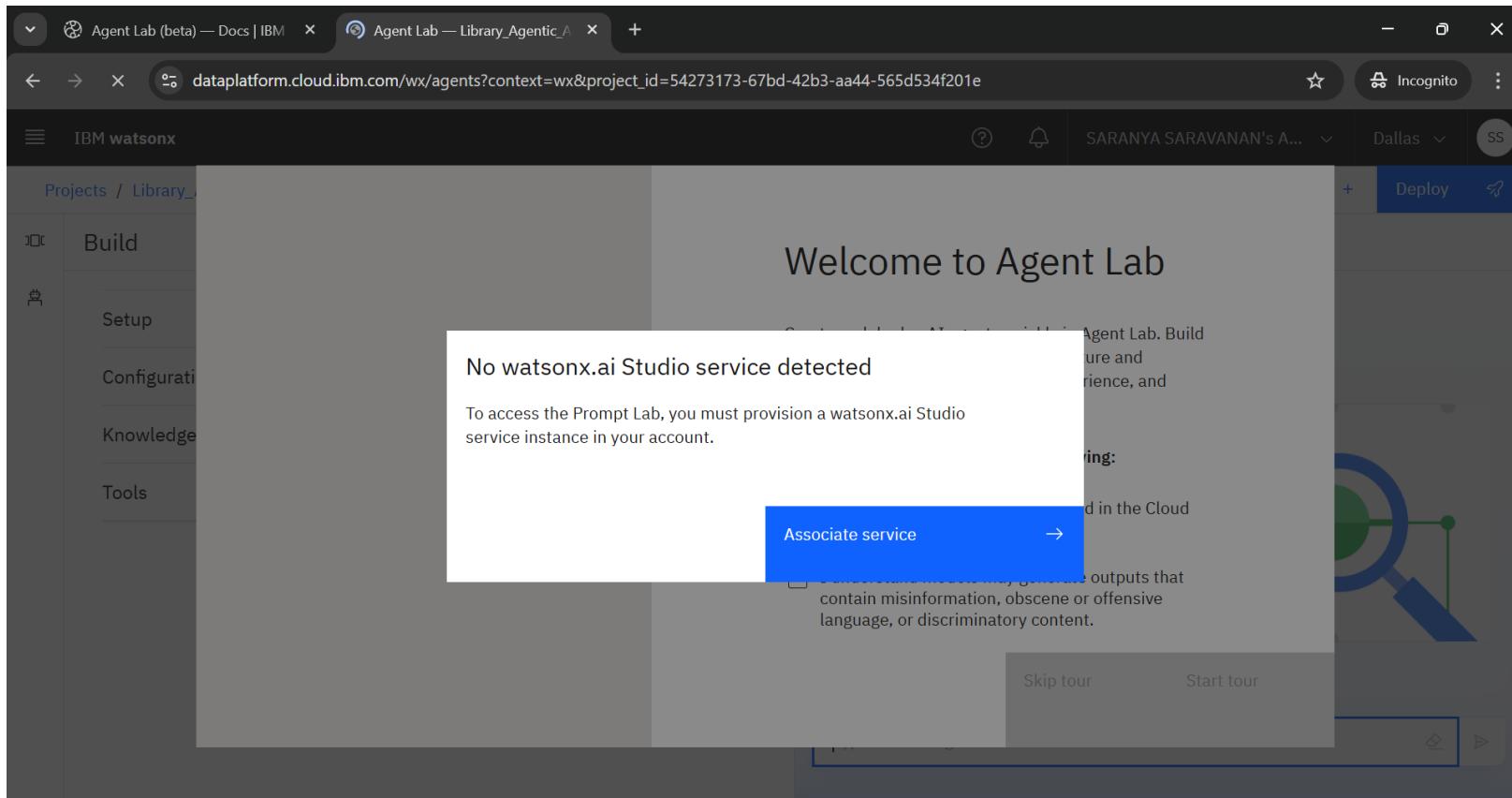
SCROLL DOWN AND CREATE A SANDBOX PROJECT



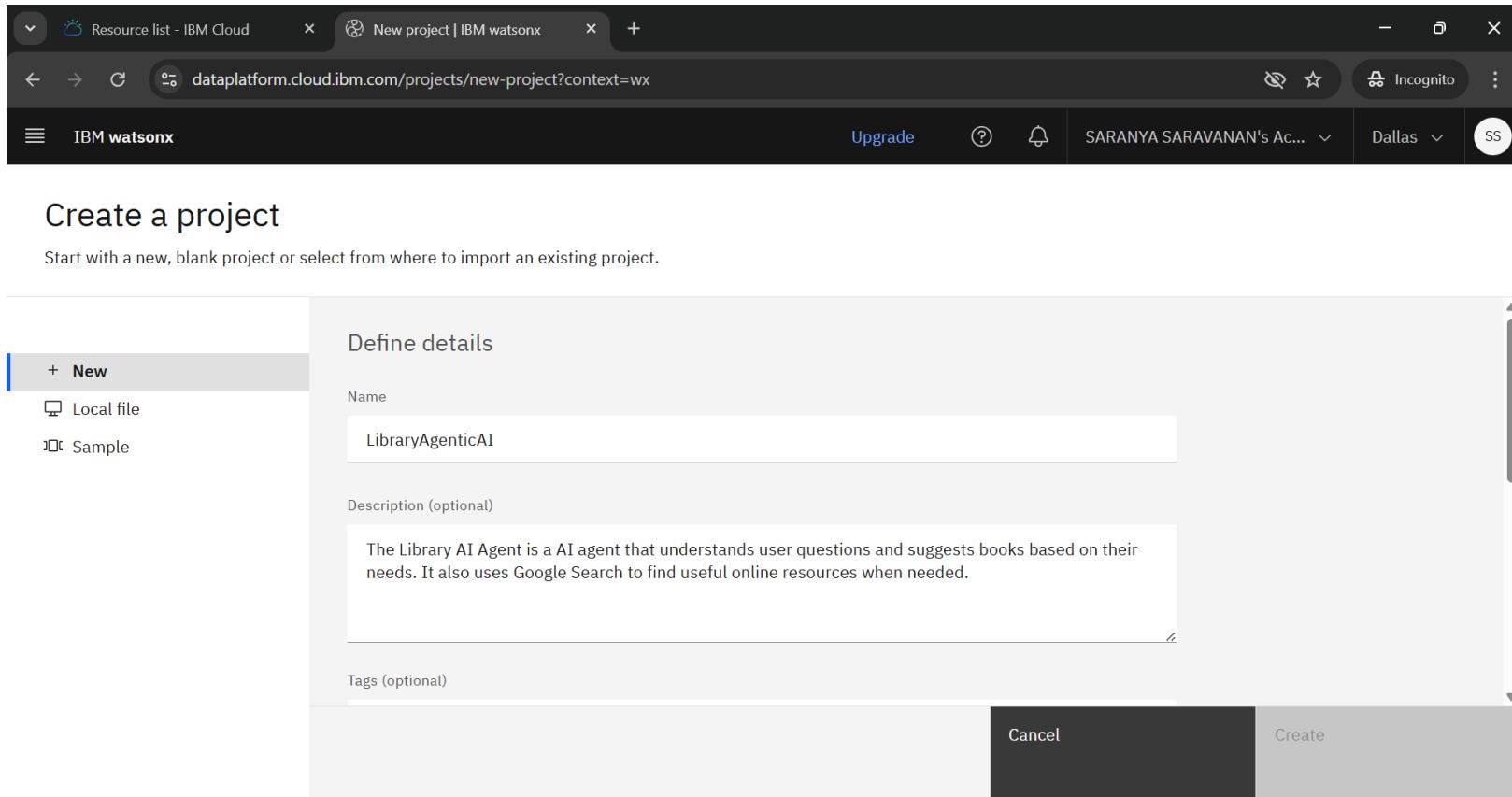
GO TO THE DROPBOX AND CLICK CREATE PROJECT INSTEAD



CLICK ASSOCIATE SERVICE



WRITE THE NAME AND DESCRIPTION IF NEEDED



The screenshot shows a web browser window titled "New project | IBM watsonx" with the URL "dataplatform.cloud.ibm.com/projects/new-project?context=wx". The browser interface includes tabs for "Resource list - IBM Cloud" and "New project | IBM watsonx", and various status icons like "Incognito" and "Upgrade". The main content area is titled "Create a project" and displays a form for defining project details. On the left, a sidebar offers options to "+ New" (selected), "Local file", and "Sample". The "Define details" section contains fields for "Name" (set to "LibraryAgenticAI") and "Description (optional)" (containing the text: "The Library AI Agent is a AI agent that understands user questions and suggests books based on their needs. It also uses Google Search to find useful online resources when needed."). At the bottom, there are "Cancel" and "Create" buttons.

Create a project

Start with a new, blank project or select from where to import an existing project.

+ New

Local file

Sample

Define details

Name

LibraryAgenticAI

Description (optional)

The Library AI Agent is a AI agent that understands user questions and suggests books based on their needs. It also uses Google Search to find useful online resources when needed.

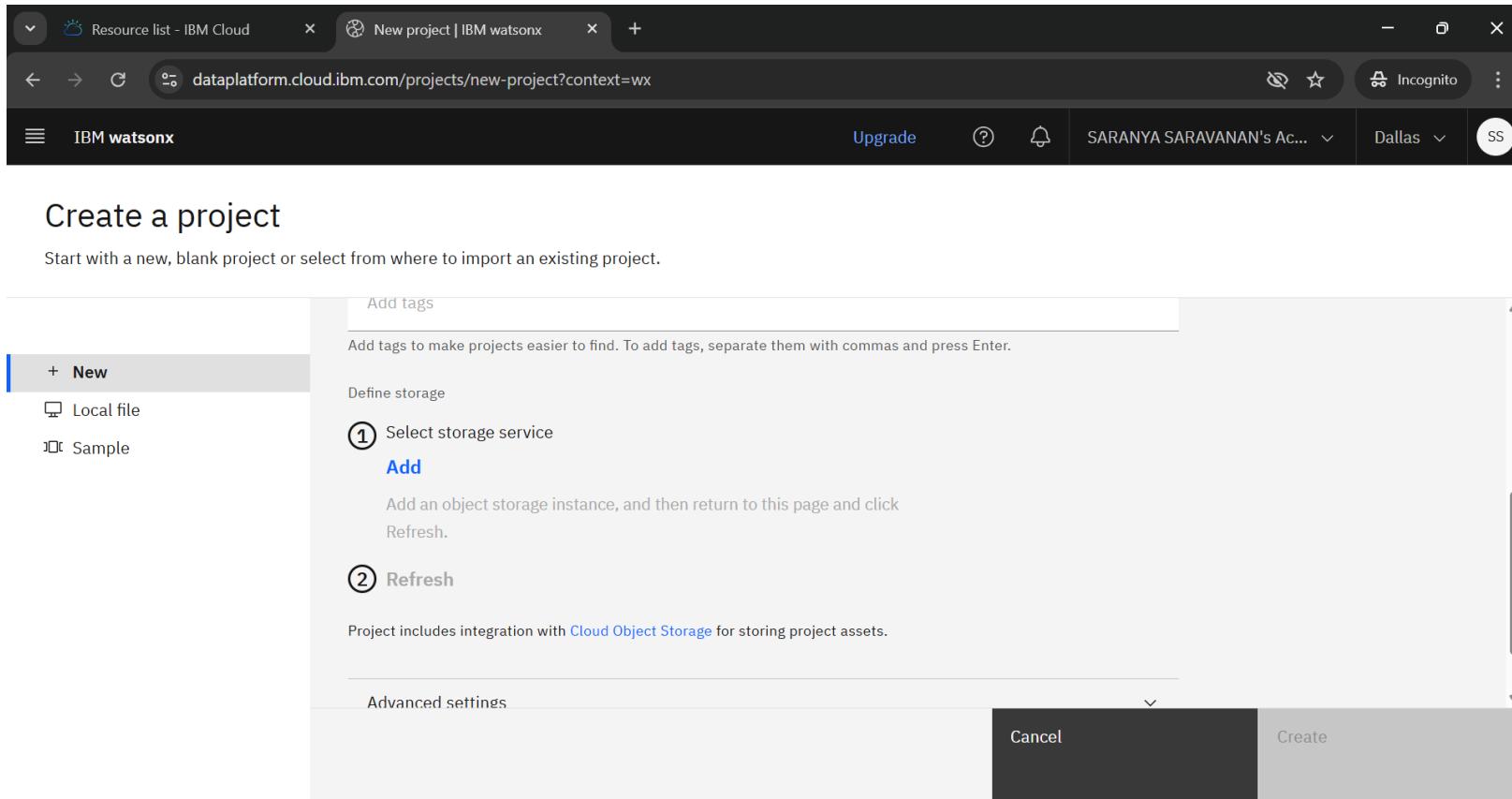
Tags (optional)

Cancel

Create



CLICK ADD



SELECT THE FREE SERVICE

The screenshot shows a web browser window with three tabs open:

- Resource list - IBM Cloud
- New project | IBM Watsonx
- Cloud Object Storage — Service

The main content area displays the "Cloud Object Storage" service page from the IBM Watsonx catalog. The page includes:

- Cloud Object Storage** icon and title.
- Author: IBM • Date of last update: Apr 15, 2025 • [Docs](#) • [API Docs](#)
- Create** and **About** buttons.
- Pricing plan** section: "Displayed prices do not include tax. Monthly prices shown are for country or region: United States".
- A table comparing the **Plan**, **Features**, and **Pricing** for the One-Rate plan.
- Summary** panel on the right showing service details:
 - Cloud Object Storage**
 - Region: Global
 - Plan: One-Rate
 - Service name: Cloud Object Storage-qv
 - Resource group: Default
- Action buttons: **Create**, **View terms**, and **Cancel**.

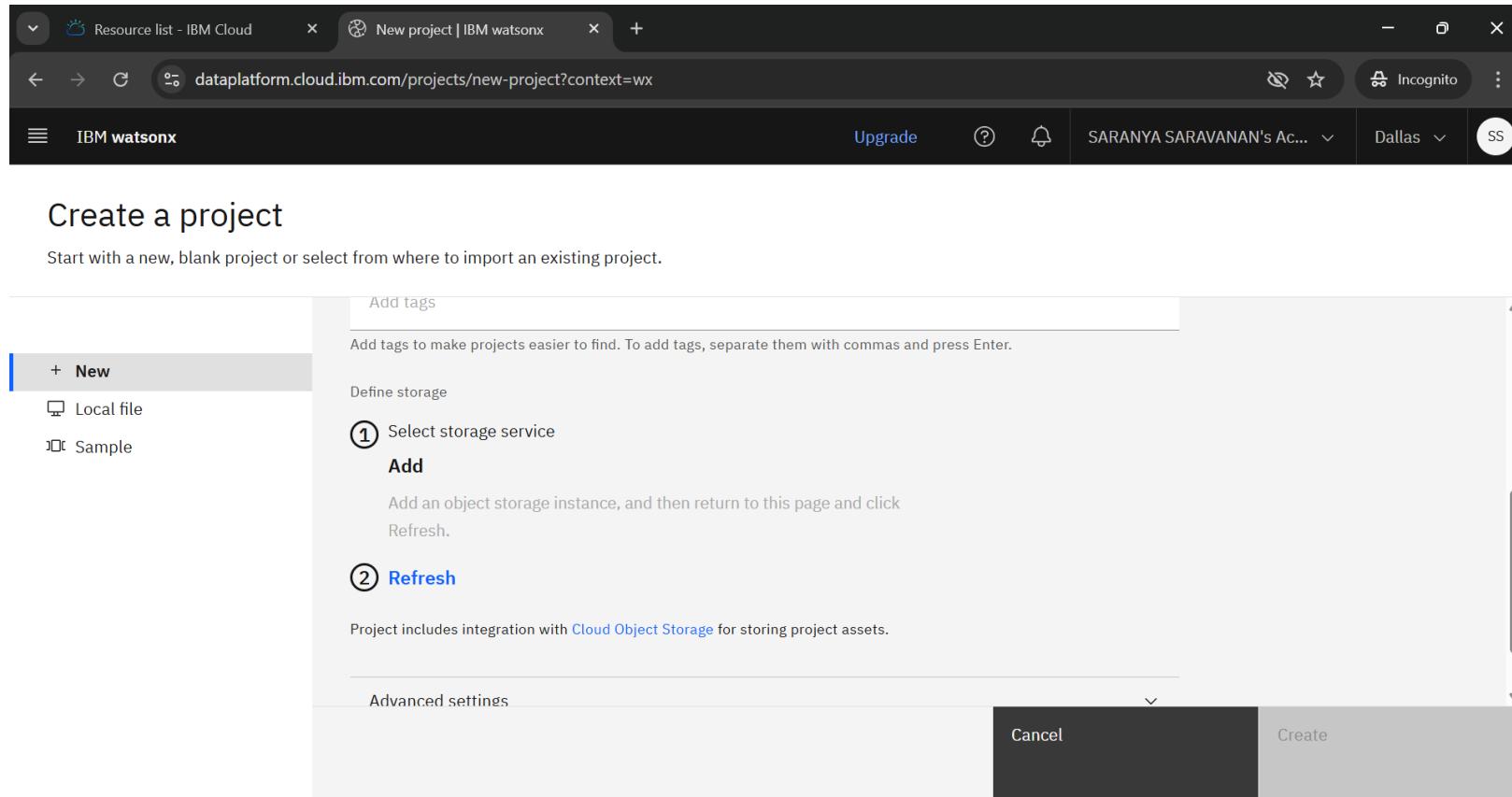


AND CLICK CREATE

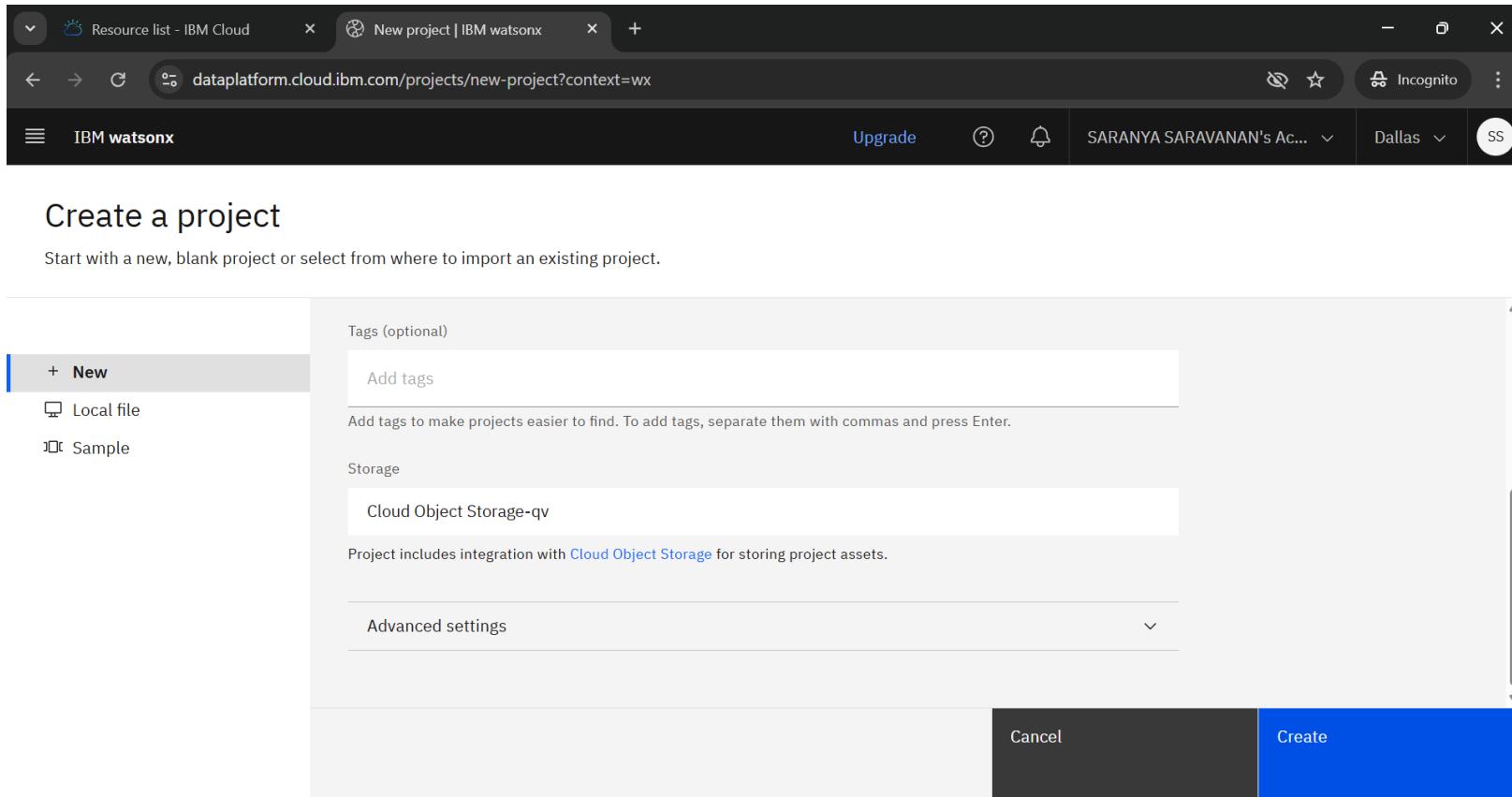
The screenshot shows a web browser window with three tabs open: "Resource list - IBM Cloud", "New project | IBM watsonx", and "Cloud Object Storage — Service Catalog". The main content area displays the "Cloud Object Storage" service catalog page. On the left, there is a table comparing different plan options: One-Rate, Lite(deprecated), and Standard. The "Lite(deprecated)" row is highlighted with a blue border. It contains descriptive text about the free storage capacity and trial nature of the plan, along with a "Free" price indicator and a checked checkbox. Below this row, a note states: "Lite plan services are deleted after 30 days of inactivity." To the right of the table, a summary panel for a "Cloud Object Storage" instance is visible, showing details like Region: Global, Plan: Lite(deprecated), Service name: Cloud Object Storage-qv, and Resource group: Default. At the bottom right of the summary panel, there are "Create", "View terms", and "Cancel" buttons.

Plan	Features	Pricing
One-Rate	One-Rate Plan is a Pay-as-You-Go option with a single, flat monthly rate (\$/GB) that includes storage, API operations, retrieval, and outbound bandwidth—making it ideal for high-activity workloads with frequent access and data transfer, such as analytics, media, and web apps. The plan includes built-in allowances that scale with stored capacity and offers automatic volume discounts as usage grows	
Lite(deprecated)	<p>Lite plan instance is free to use for Storage capacity up to 25 GB per month.</p> <p>Lite plan instance is used for trial, and can be easily upgraded to Standard plan for unlimited scalability and full functionality.</p> <p>None</p> <p>Lite plan services are deleted after 30 days of inactivity.</p>	Free <input checked="" type="checkbox"/>
Standard	Standard Plan is a flexible Pay-as-You-Go option with no minimum fee—ideal for workloads with large storage needs but low or infrequent access and outbound traffic. It includes a Free Tier with 5GB of Smart Tier storage for 12 months. Charges are based on actual usage, with separate billing for storage, outbound bandwidth, API operations, and data retrieval. Multiple storage classes help you optimize costs based on how often data is accessed.	

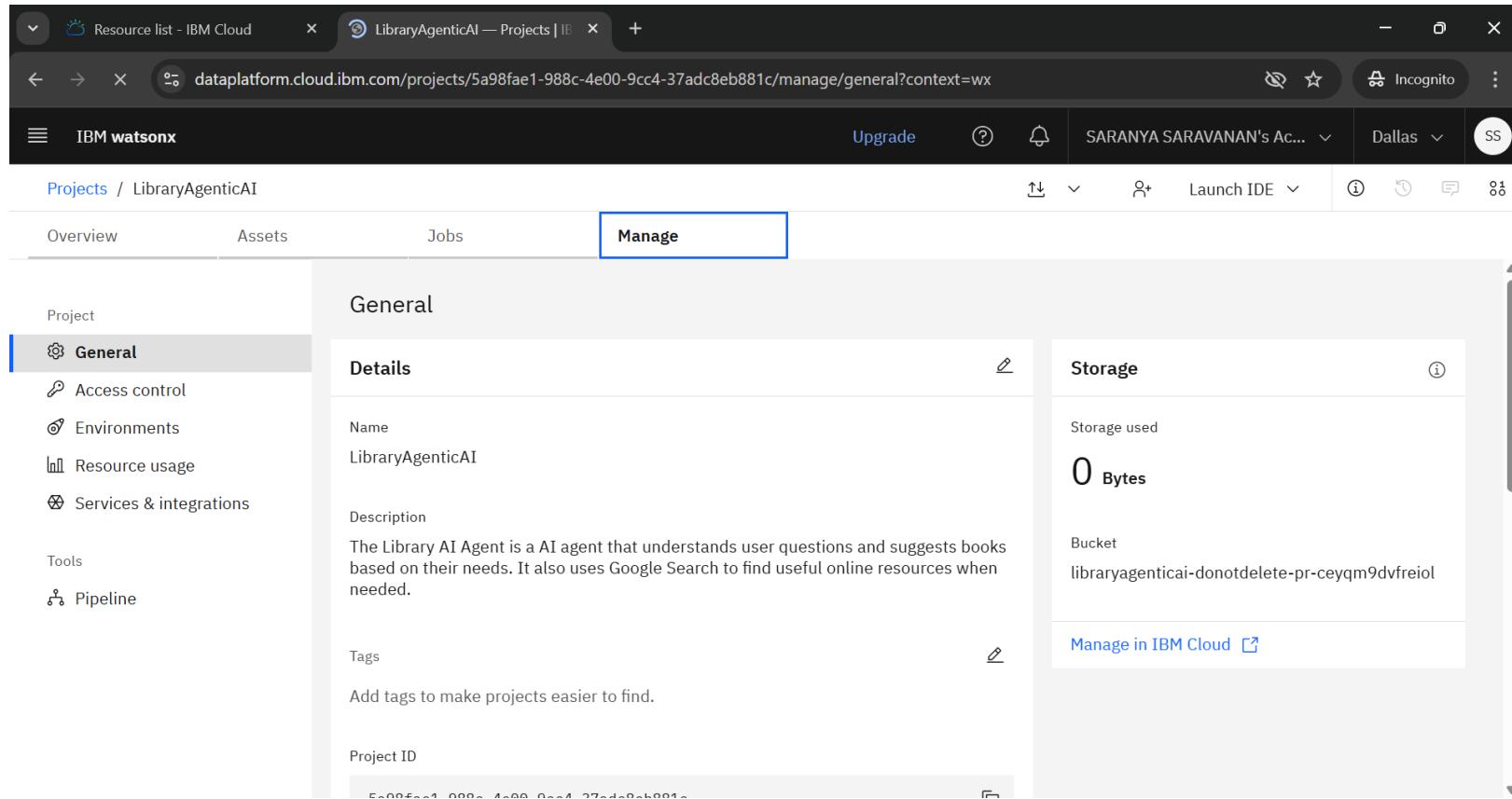
CLICK REFRESH



CLICK CREATE



GO TO MANAGE



The screenshot shows a web browser window for the IBM Cloud platform. The URL in the address bar is `dataplatform.cloud.ibm.com/projects/5a98fae1-988c-4e00-9cc4-37adc8eb881c/manage/general?context=wx`. The page title is "LibraryAgenticAI — Projects | IBM". The top navigation bar includes links for "Upgrade", "Help", "Incognito", "SARANYA SARAVANAN's Ac...", "Dallas", and a user profile icon.

The main content area displays the "Manage" tab for the "LibraryAgenticAI" project. On the left, a sidebar menu lists "Project" and "Tools" sections. Under "Project", the "General" section is selected, showing options for "Access control", "Environments", "Resource usage", and "Services & integrations". Under "Tools", there are "Pipeline" and other unlabelled icons.

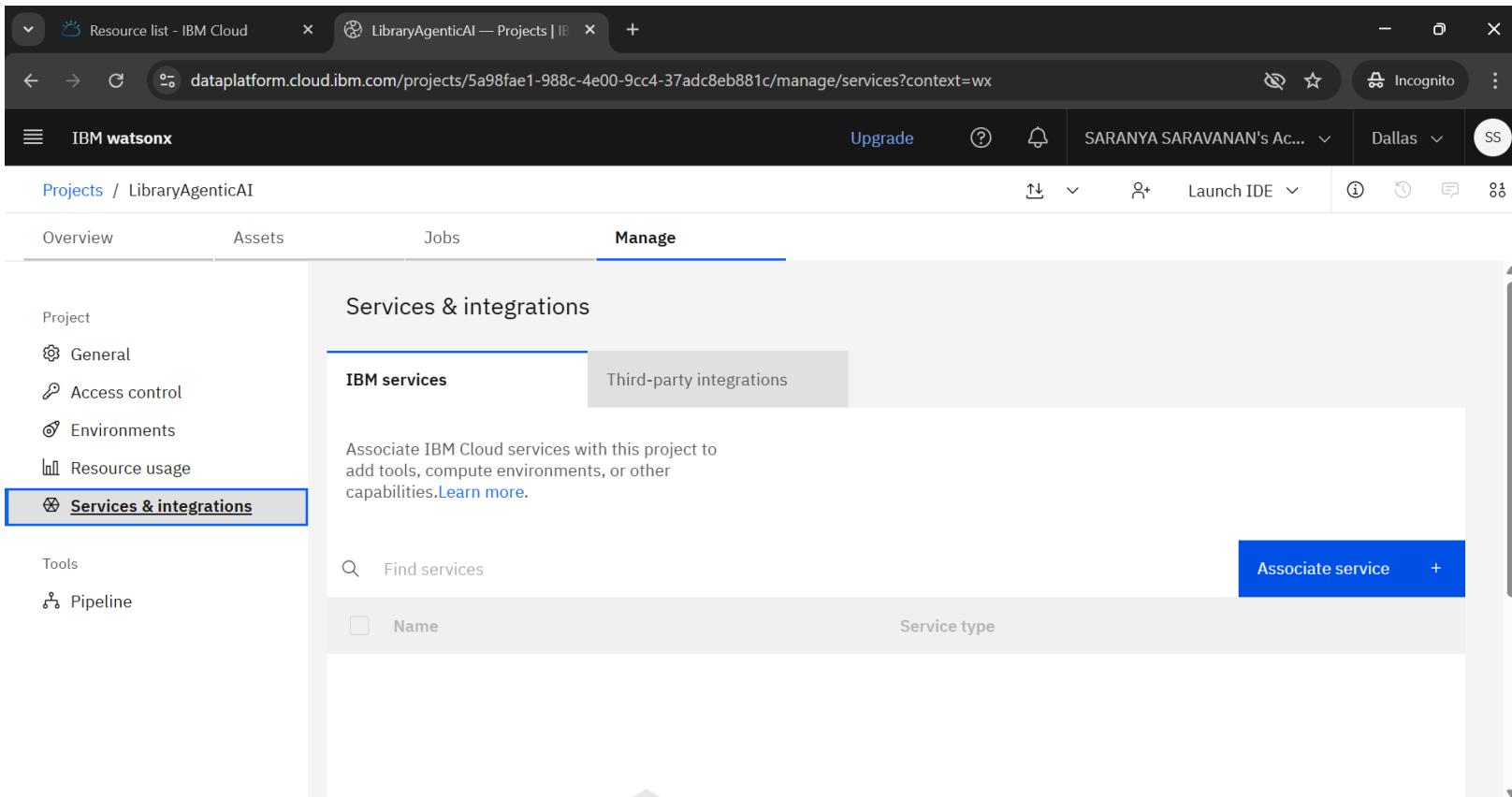
The central panel has a title "General" and contains several sections:

- Details**: Name is set to "LibraryAgenticAI". Description is defined as: "The Library AI Agent is a AI agent that understands user questions and suggests books based on their needs. It also uses Google Search to find useful online resources when needed."
- Storage**: Storage used is shown as "0 Bytes". Bucket name is listed as "libraryagenticai-donotdelete-pr-ceyqm9dvroiol".
- Tags**: A placeholder message says "Add tags to make projects easier to find."
- Project ID**: The ID is partially visible as "5a98fae1-988c-4e00-9cc4-37adc8eb881c".

A blue rectangular box highlights the "Manage" tab in the top navigation bar.



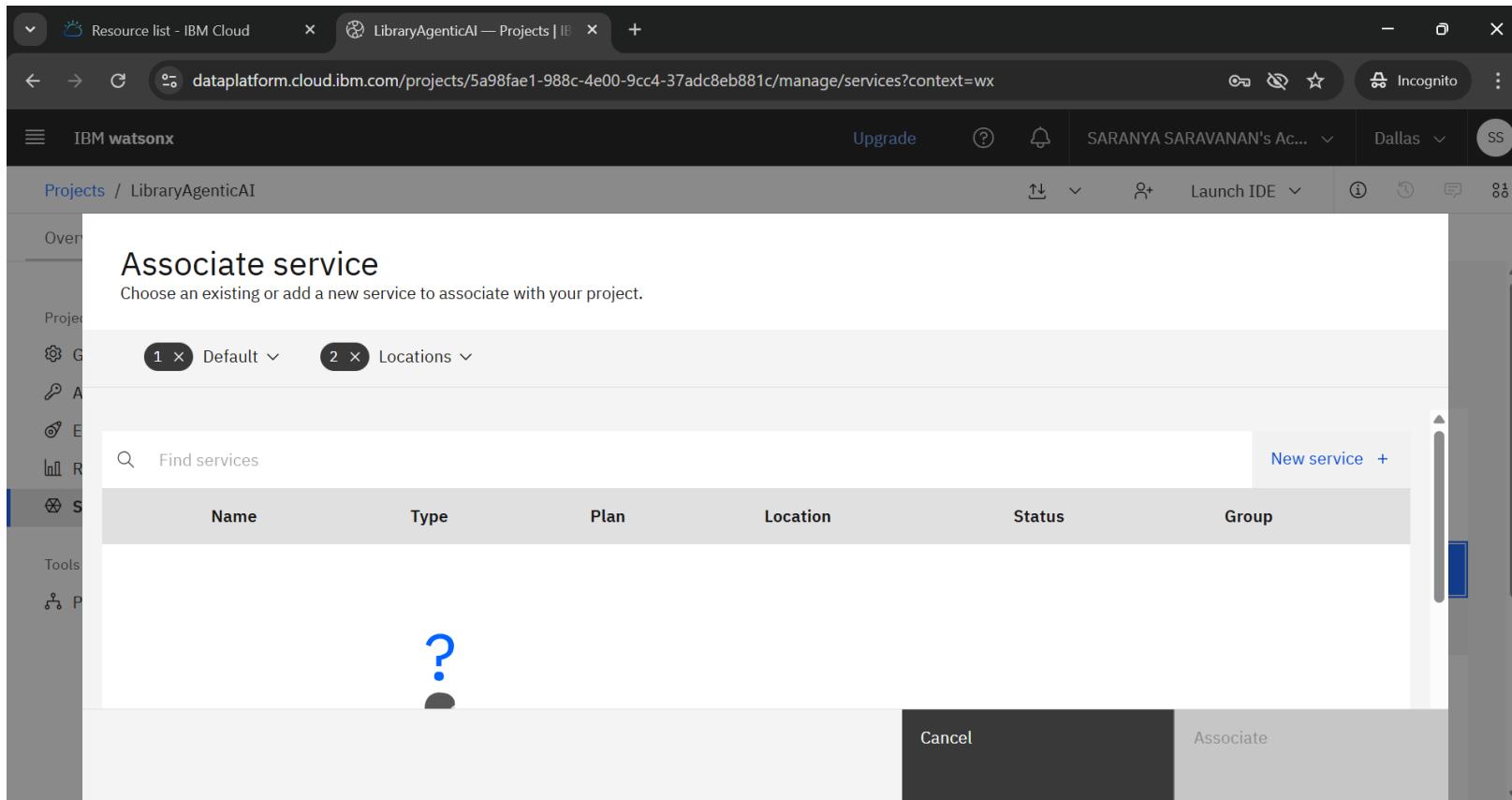
SELECT THE SERVICE AND INSTALLATIONS AND CLICK ASSOCIATE SERVICE



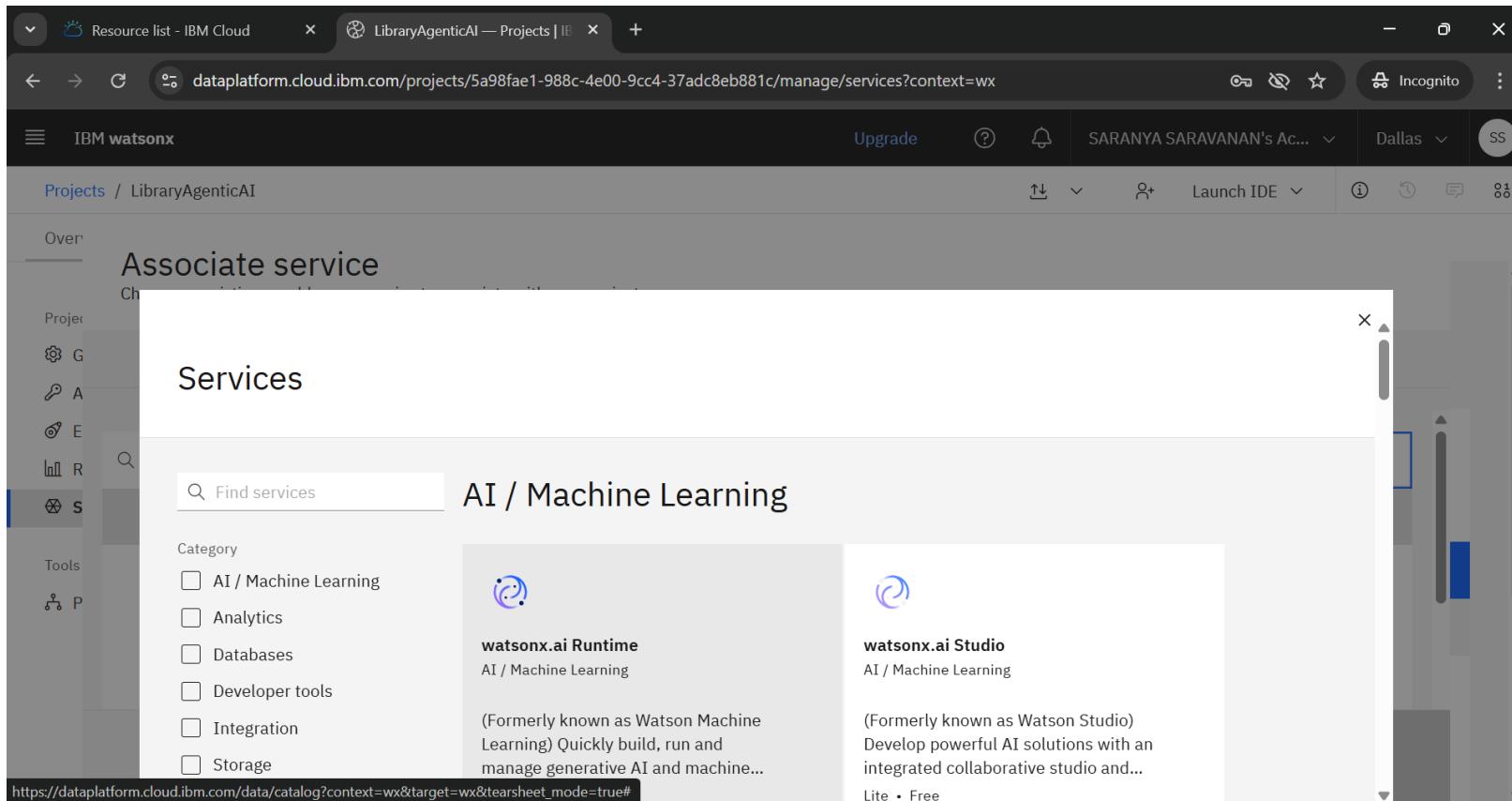
The screenshot shows the IBM WatsonX interface for managing a project named "LibraryAgenticAI". The top navigation bar includes tabs for "Overview", "Assets", "Jobs", and "Manage", with "Manage" being the active tab. On the left, a sidebar lists "Project" sections: General, Access control, Environments, Resource usage, and Services & integrations (which is selected and highlighted with a blue border). Below the sidebar, "Tools" and "Pipeline" sections are listed. The main content area is titled "Services & integrations" and contains two tabs: "IBM services" (selected) and "Third-party integrations". A descriptive text box states: "Associate IBM Cloud services with this project to add tools, compute environments, or other capabilities." It includes a "Learn more" link and a "Associate service" button with a plus sign. A search bar labeled "Find services" is also present.



CLICK NEW SERVICE



CLICK WATSONX.AI RUNTIME



CLICK FREE SERVICE

The screenshot shows a web browser window for the IBM Cloud Data Platform. The URL is dataplatform.cloud.ibm.com/projects/5a98fae1-988c-4e00-9cc4-37adc8eb881c/manage/services?context=wx. The page title is "Associate service". A modal dialog is open, showing the "Summary" of a selected service instance.

Summary

watsonx.ai Runtime

Region: Dallas
Plan: Lite
Service name: watsonx.ai Runtime-zh
Resource group: Default

Create

View terms

Cancel

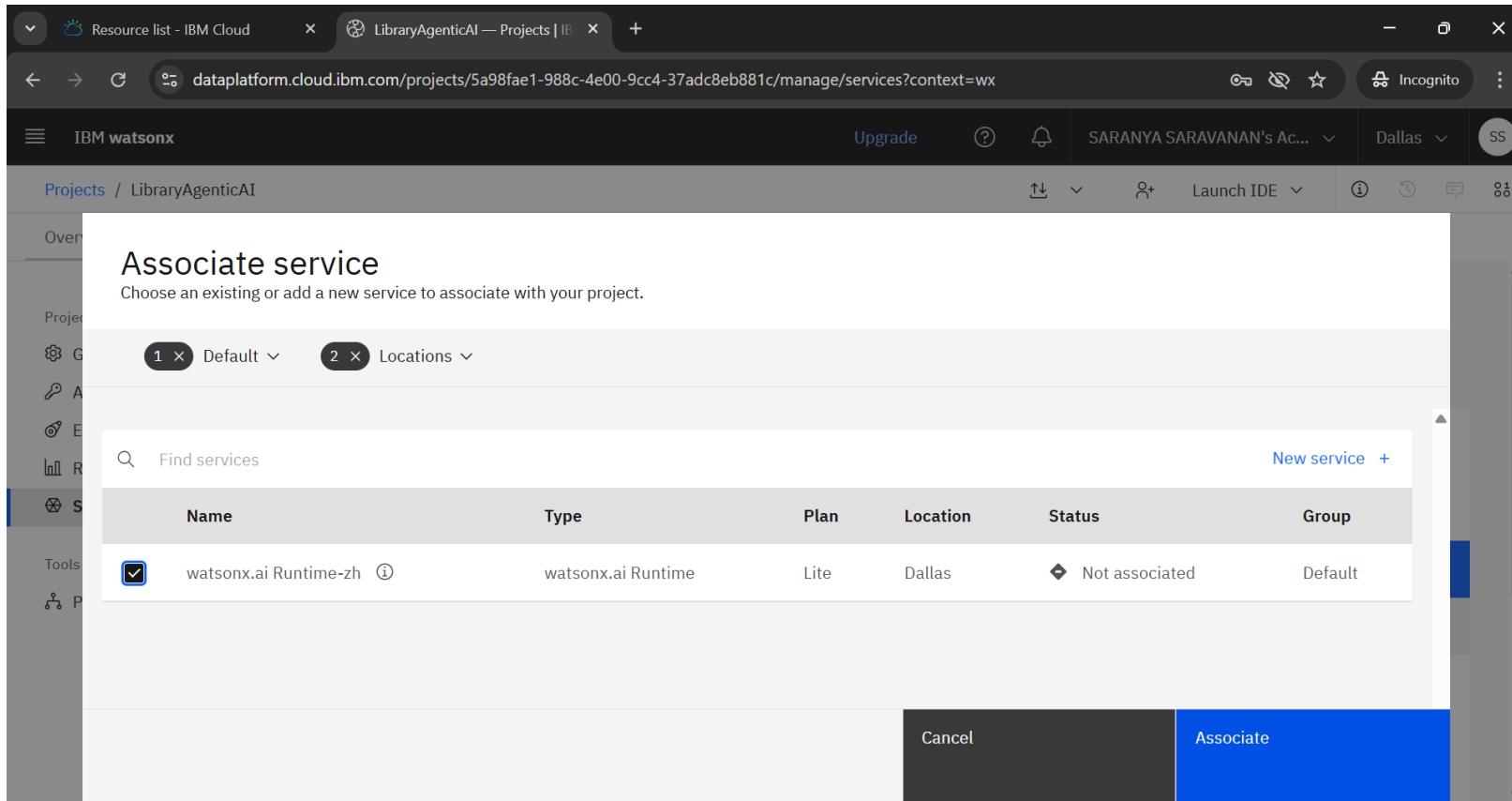
Associate service

Displayed prices do not include tax. Monthly prices shown are for country or region: United States

Plan	Features	Pricing
Lite	Service instance Instance includes: <ul style="list-style-type: none">• 20 capacity unit-hours (CUH) per month• 50,000 tokens/data points per month• 100 pages per month-----Foundation models:<ul style="list-style-type: none">• Inferencing for text generation consumes tokens (as Resource Units)• Token usage is the sum of input and output tokens• Time series forecasting consumes data points (as	Free



SELECT THE BOX AND ASSOCIATE



The screenshot shows a web browser window for the IBM Cloud Data Platform. The URL is `dataplatform.cloud.ibm.com/projects/5a98fae1-988c-4e00-9cc4-37adc8eb881c/manage/services?context=wx`. The page title is "Associate service". It displays a table of services with one row selected. At the bottom right are "Cancel" and "Associate" buttons.

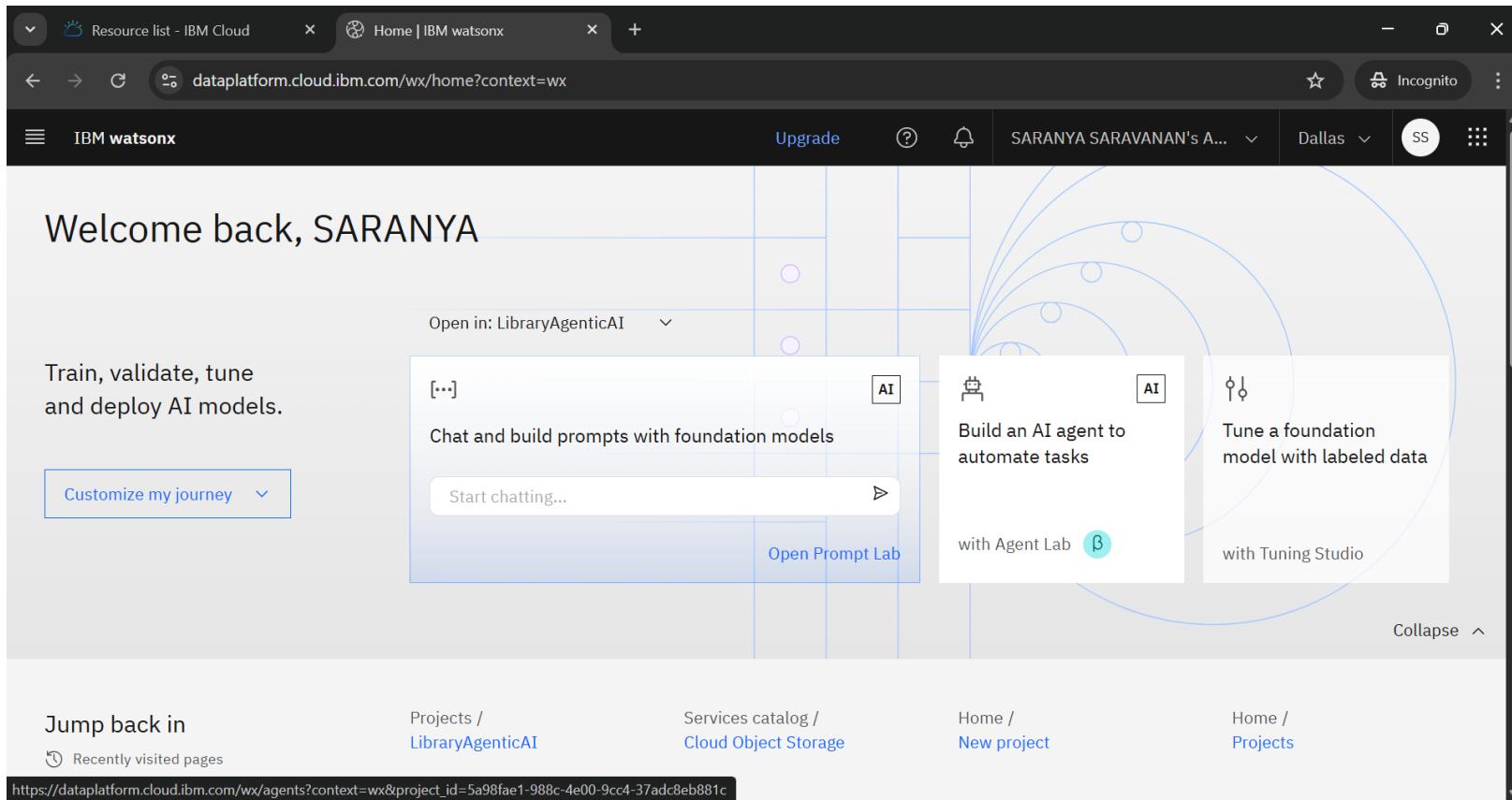
Name	Type	Plan	Location	Status	Group
watsonx.ai Runtime-zh <small>①</small>	watsonx.ai Runtime	Lite	Dallas	◆ Not associated	Default

Cancel

Associate



GO TO BUILD AN AI AGENT

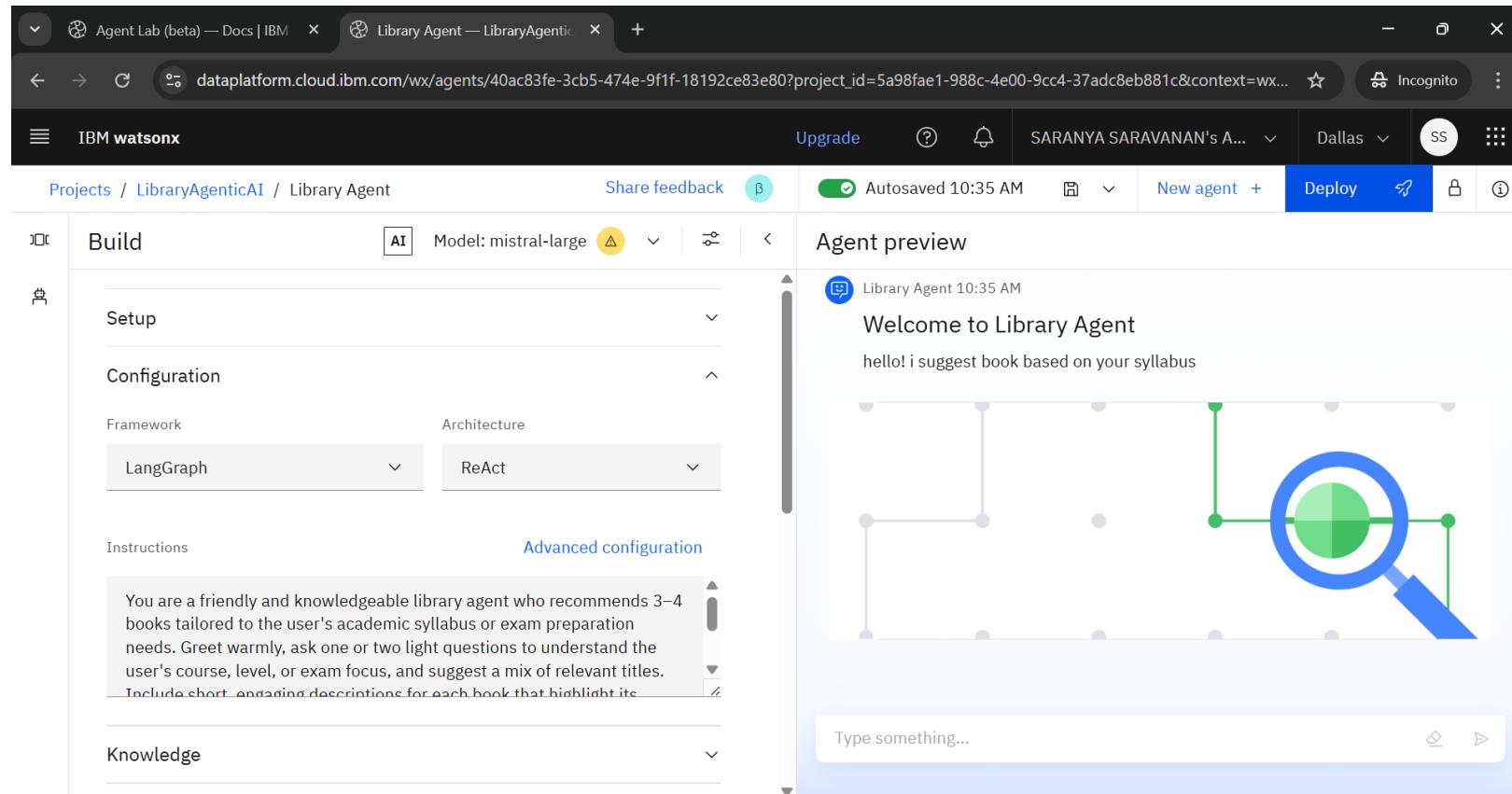


ADD NAME AND DESCRIPTION

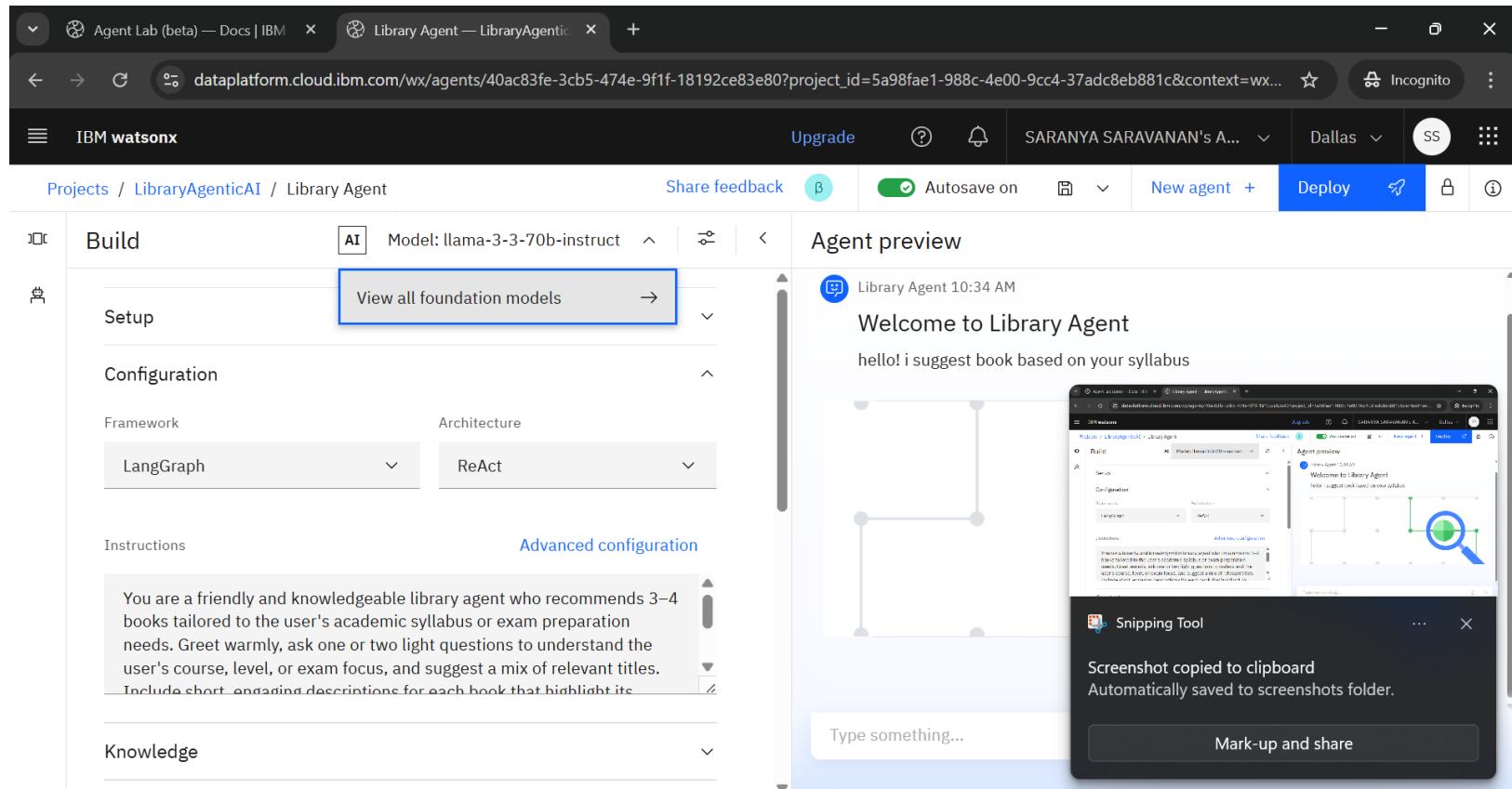
The screenshot shows the IBM Watsonx Agent Lab interface. On the left, the 'Build' section is visible, containing fields for 'Name' (Library Agent) and 'Description' (hello! i suggest book based on your syllabus). Below these are sections for 'Icon' (a blue speech bubble icon) and 'Placeholder image' (a placeholder image of a magnifying glass over a map). At the bottom, there is a 'Quick start questions' section. On the right, the 'Agent preview' section displays a simulated conversation. A message from 'Library Agent 09:00 PM' says 'Welcome to Library Agent' and 'hello! i suggest book based on your syllabus'. Below the messages is a decorative graphic of a magnifying glass over a map. At the bottom of the preview section is a text input field with the placeholder 'Type something...'. The top of the screen shows the browser title 'Agent Lab — LibraryAgentAI' and the URL 'dataplatform.cloud.ibm.com/wx/agents?context=wx&project_id=5a98fae1-988c-4e00-9cc4-37adc8eb881c'.



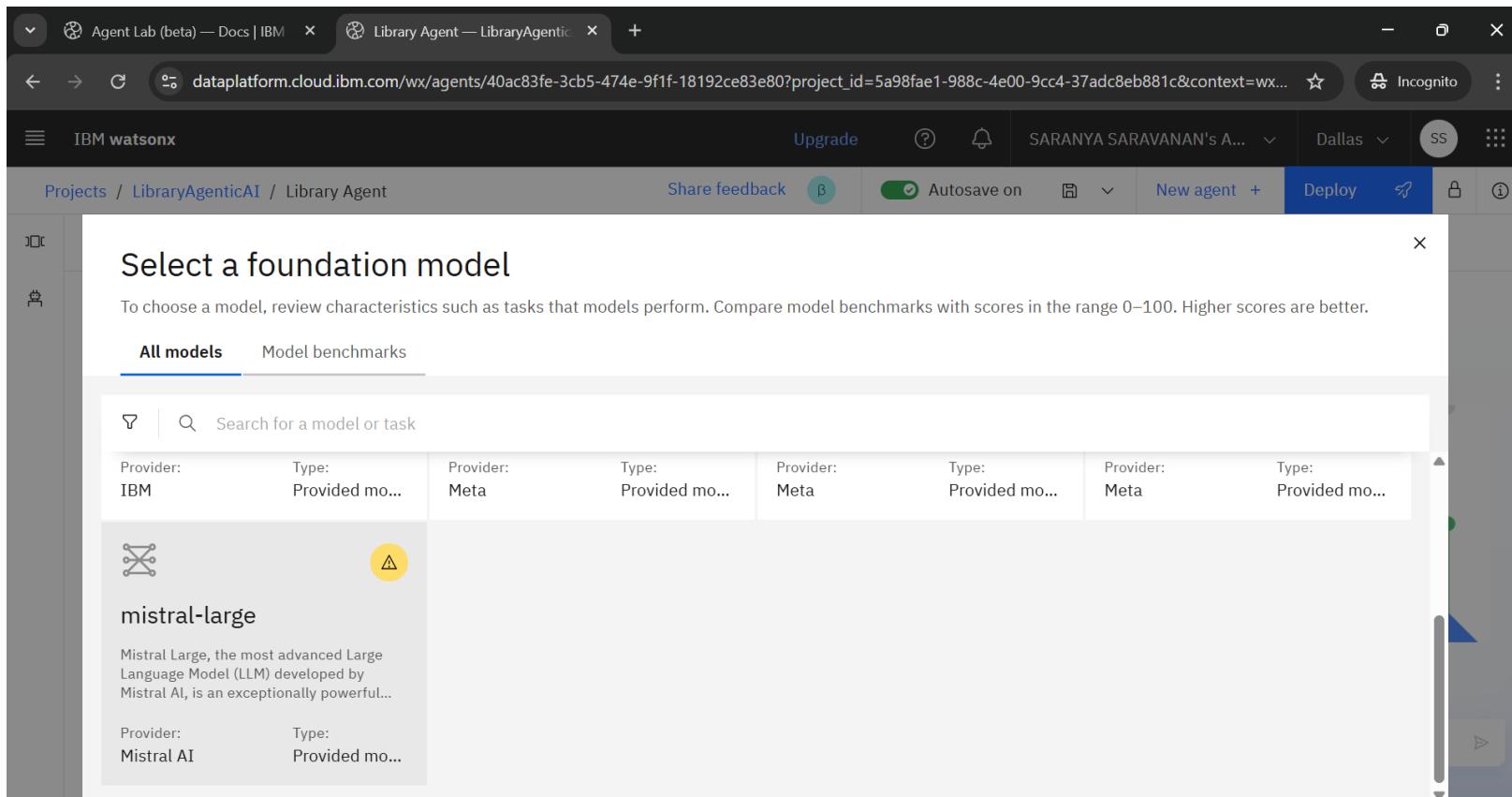
ADD THE INSTRUCTION AND SAVE IT



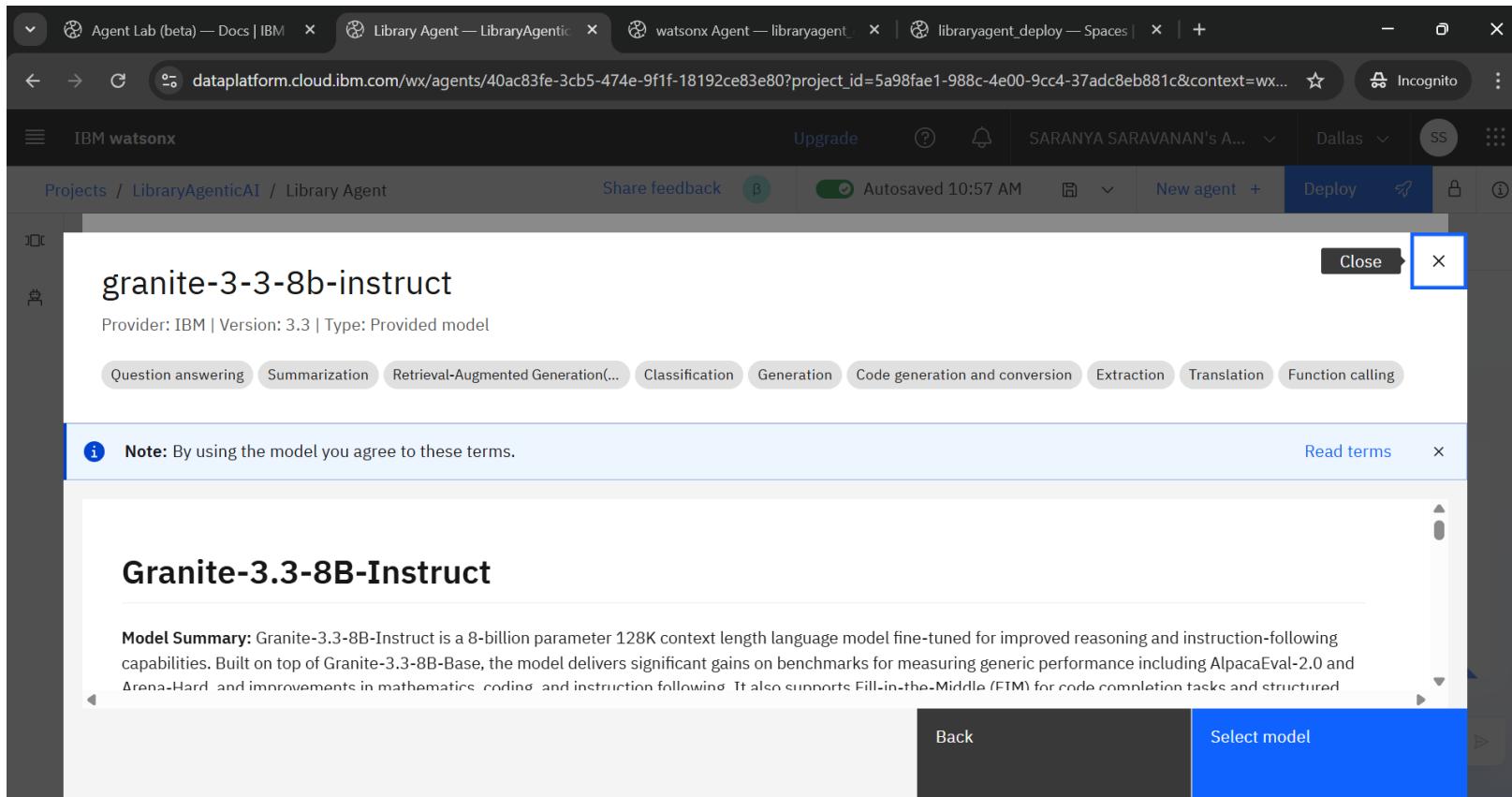
CLICK ON VIEW ALL FOUNDATION MODEL



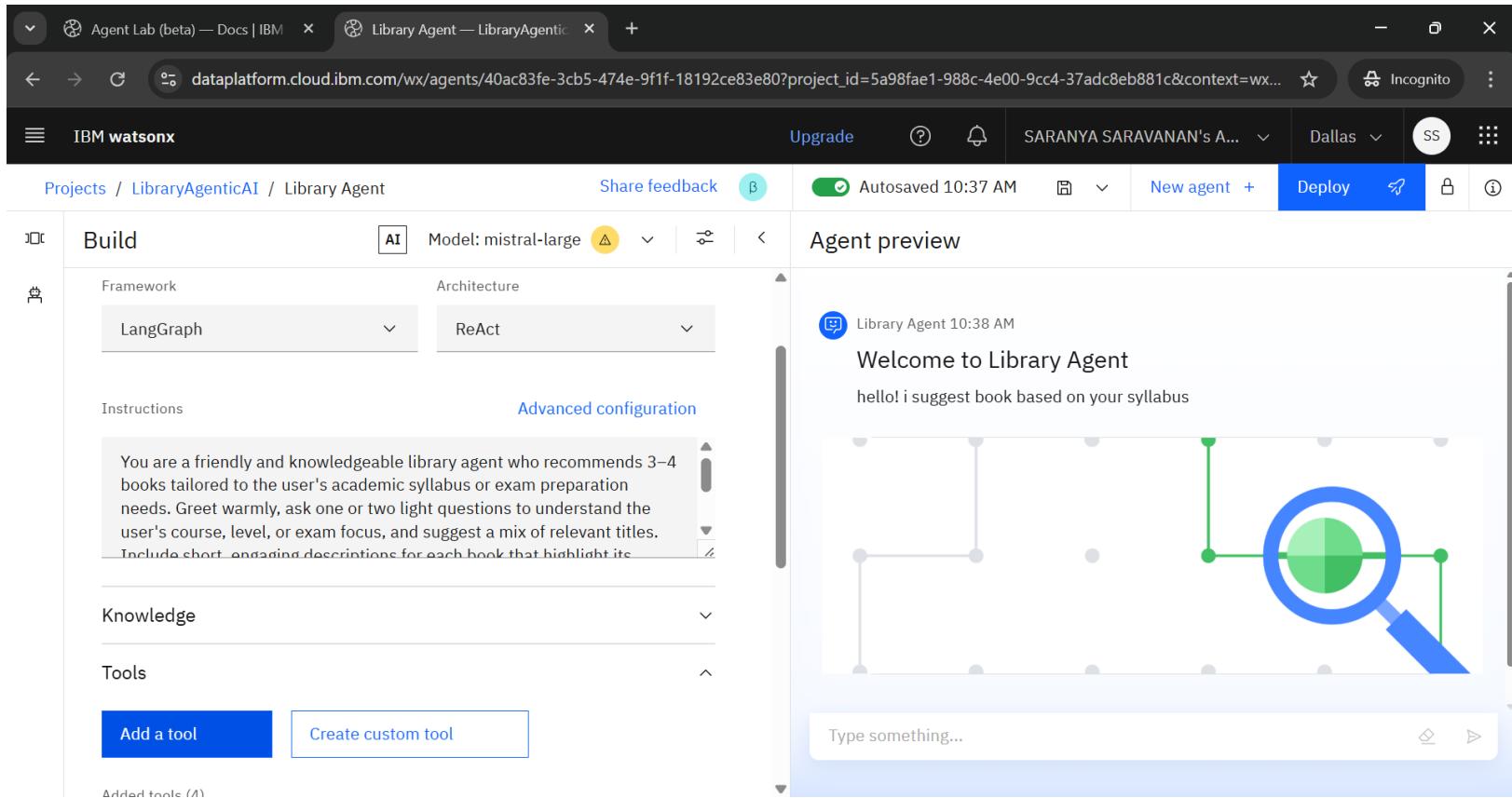
CLICK ANY MODAL YOU LIKE BUT I CLICK GRANITE-3-3-8B INSTRUCT



AND SELECT MODEL



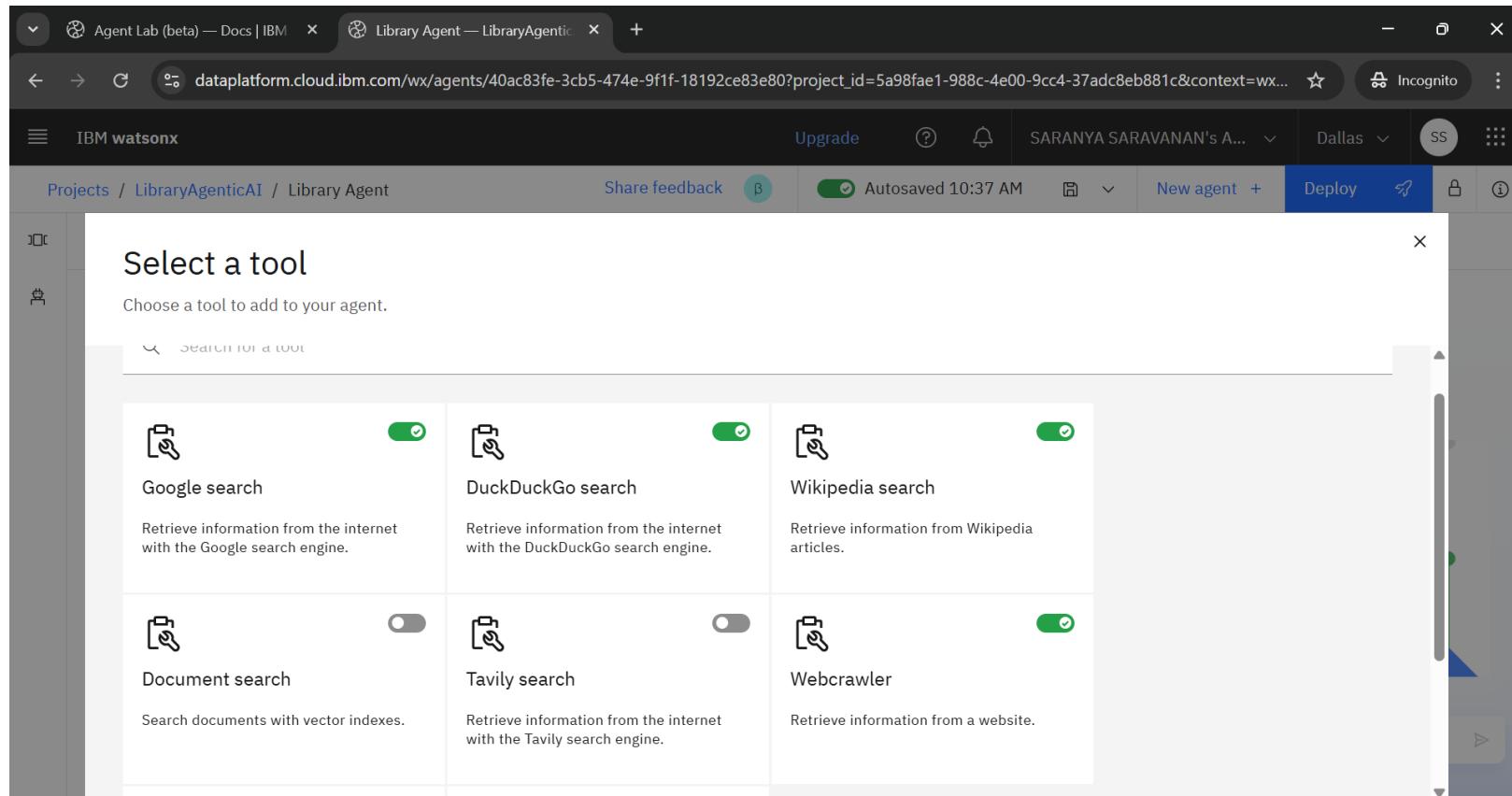
CLICK ON ADD A TOOL



The screenshot shows the IBM Watsonx Agent Lab interface. At the top, there are two tabs: "Agent Lab (beta) — Docs | IBM" and "Library Agent — LibraryAgenticAI". The main title bar says "IBM watsonx". The top navigation bar includes "Upgrade", "Share feedback", "Autosaved 10:37 AM", "New agent", "Deploy", and other icons. On the left, there's a sidebar with sections for "Build" (Framework: LangGraph, Architecture: React), "Instructions" (a text area describing the agent's role), "Knowledge", and "Tools". The "Tools" section contains two buttons: a blue "Add a tool" button and a white "Create custom tool" button. To the right, the "Agent preview" window shows a message from "Library Agent 10:38 AM": "Welcome to Library Agent" followed by "hello! i suggest book based on your syllabus". Below the preview is a search bar with the placeholder "Type something...". A red circle highlights the "Add a tool" button.



ADD TOOL TO YOUR NEEDS



CHAT

Agent Lab (beta) — Docs | IBM Library Agent — LibraryAgenticAI

dataplatform.cloud.ibm.com/wx/agents/40ac83fe-3cb5-474e-9f1f-18192ce83e80?project_id=5a98fae1-988c-4e00-9cc4-37adc8eb881c&context=wx... Incognito

IBM watsonx

Upgrade Share feedback Autosave on New agent Deploy

SARANYA SARAVANAN's A... Dallas SS

Projects / LibraryAgenticAI / Library Agent

Build Model: llama-3-3-70b-instruct

Setup Configuration

Framework Architecture

LangGraph React

Instructions Advanced configuration

You are a friendly and knowledgeable library agent who recommends 3–4 books tailored to the user's academic syllabus or exam preparation needs. Greet warmly, ask one or two light questions to understand the user's course, level, or exam focus, and suggest a mix of relevant titles. Include short, engaging descriptions for each book that highlight its

Knowledge

Agent preview

Library Agent 10:44 AM

Welcome to Library Agent

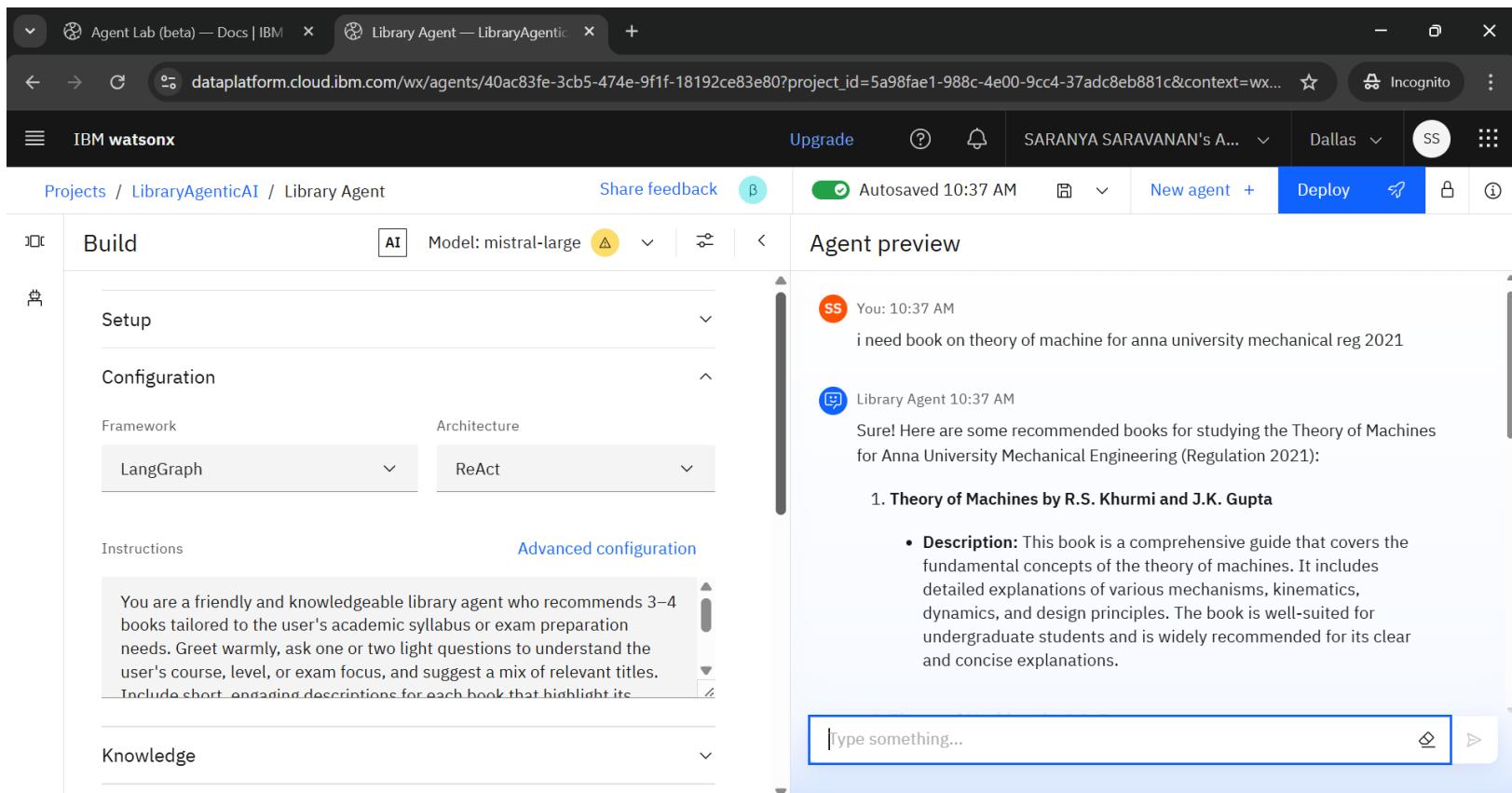
hello! i suggest book based on your syllabus

Type something...

The screenshot shows the IBM WatsonX Agent Lab interface. On the left, there's a sidebar with 'Build' settings, including 'Model: llama-3-3-70b-instruct', 'Setup' and 'Configuration' sections, and dropdowns for 'Framework' (LangGraph) and 'Architecture' (React). Below this is an 'Instructions' section with a text area containing a template for a library agent's welcome message. On the right, the 'Agent preview' pane shows a conversation with the agent named 'Library Agent'. The first message is a welcome message: 'Welcome to Library Agent' followed by 'hello! i suggest book based on your syllabus'. Below the messages is a decorative graphic of a magnifying glass over a globe. At the bottom of the preview pane is a text input field with placeholder text 'Type something...'.



IT GIVES THE RESULTS YOU NEED AND TO DEPLOY CLICK ON DEPLOY



The screenshot shows the IBM Watsonx interface for deploying a library agent. The top navigation bar includes tabs for 'Agent Lab (beta) — Docs | IBM' and 'Library Agent — LibraryAgentic'. The main title is 'IBM watsonx' with a 'Build' button. The top right features 'Upgrade', 'Share feedback', 'Autosaved 10:37 AM', 'New agent +', 'Deploy' (highlighted in blue), and other icons. The left sidebar has sections for 'Build' (Setup, Configuration, Framework: LangGraph, React), 'Instructions' (a welcome message about recommending books), and 'Knowledge' (a placeholder). The right panel is titled 'Agent preview' and shows a conversation between a user ('You') asking for books on Theory of Machines for Anna University Mechanical Engineering Regulation 2021, and the 'Library Agent' responding with a recommendation. A detailed description of the book 'Theory of Machines by R.S. Khurmi and J.K. Gupta' is provided, highlighting its comprehensive coverage of fundamental concepts, detailed explanations of mechanisms, kinematics, dynamics, and design principles.

Projects / LibraryAgenticAI / Library Agent Share feedback β

Build Model: mistral-large AI Setup Configuration Framework Architecture LangGraph React

You: 10:37 AM i need book on theory of machine for anna university mechanical reg 2021

Library Agent 10:37 AM Sure! Here are some recommended books for studying the Theory of Machines for Anna University Mechanical Engineering (Regulation 2021):

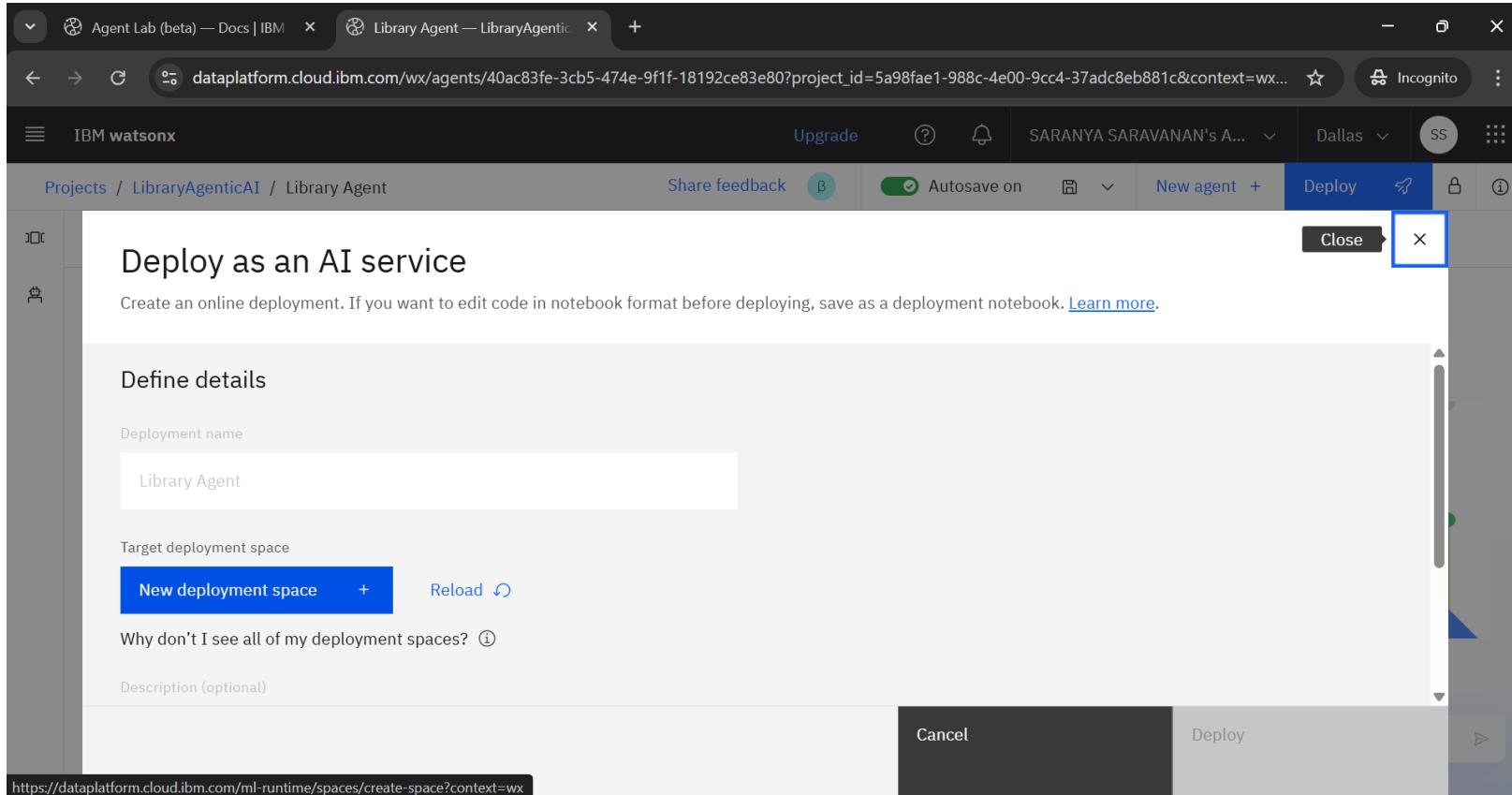
1. **Theory of Machines by R.S. Khurmi and J.K. Gupta**

- Description:** This book is a comprehensive guide that covers the fundamental concepts of the theory of machines. It includes detailed explanations of various mechanisms, kinematics, dynamics, and design principles. The book is well-suited for undergraduate students and is widely recommended for its clear and concise explanations.

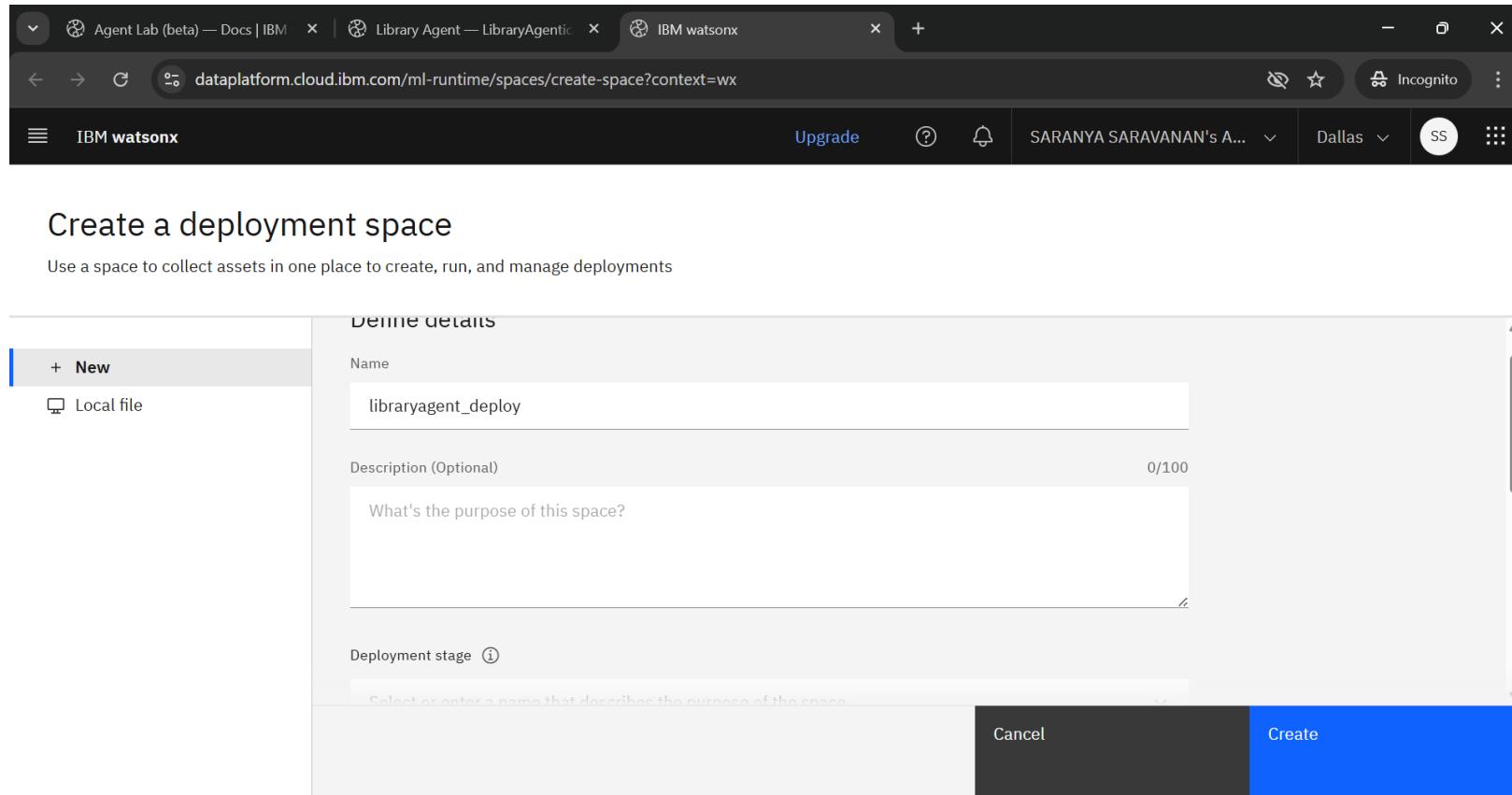
Type something... Send



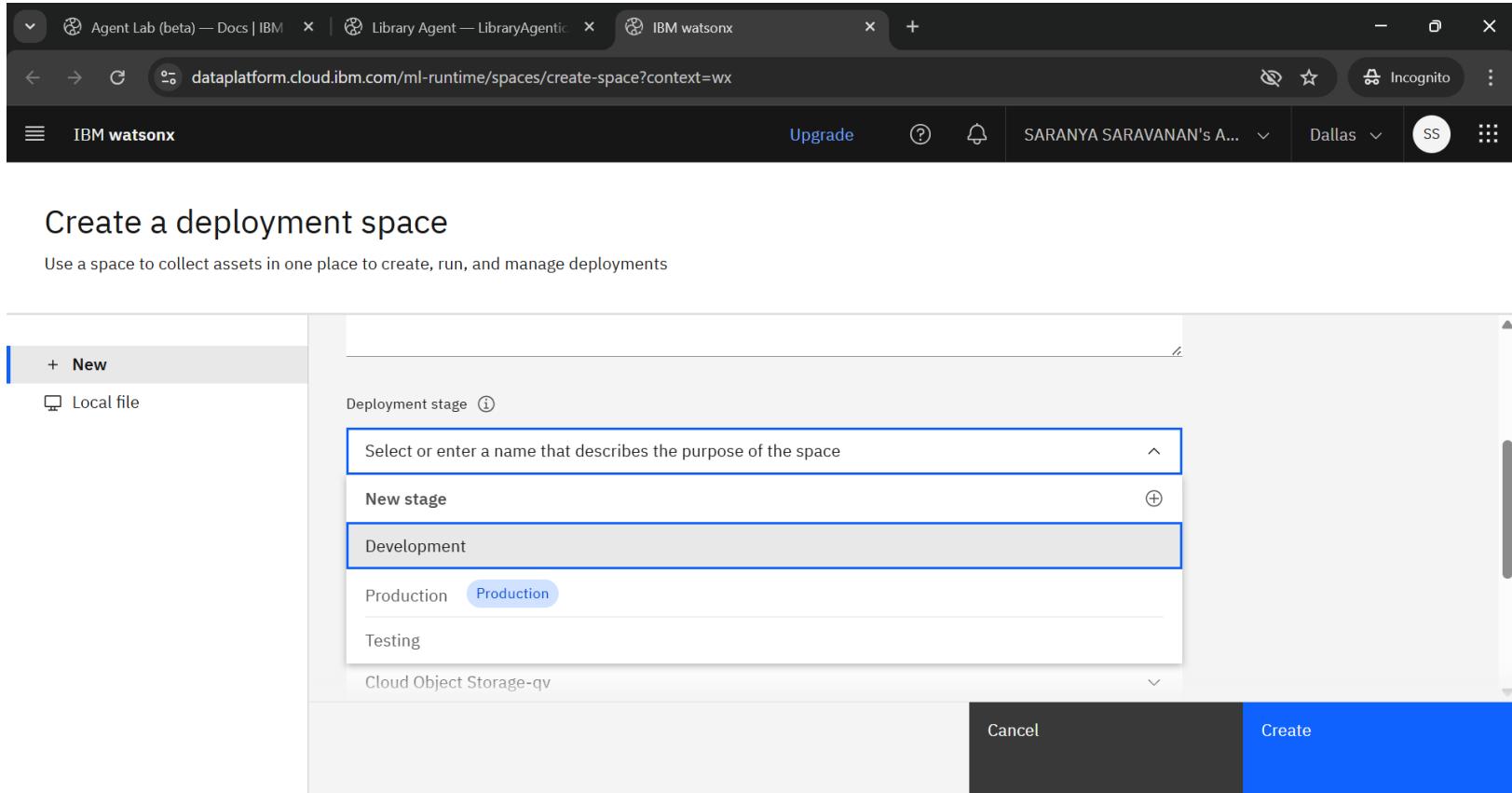
CLICK ON NEW DEPLOYMENT



WRITE NAME OF DEPLOYMENT



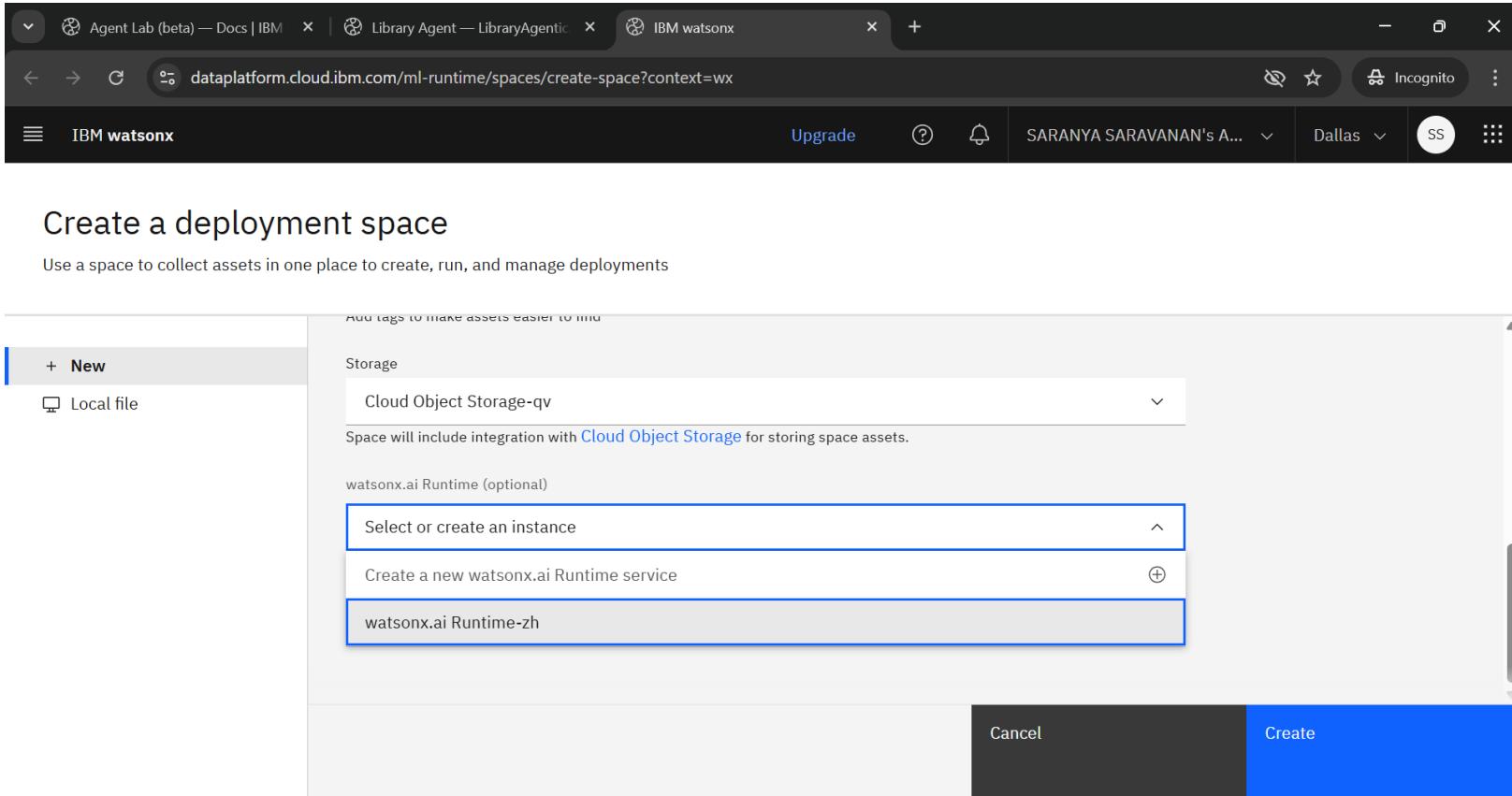
SELECT DEVELOPMENT FOR DEPLOYMENT STAGE



The screenshot shows a browser window with three tabs: "Agent Lab (beta) — Docs | IBM", "Library Agent — LibraryAgentic", and "IBM watsonx". The active tab is "IBM watsonx" at the URL `dataplatform.cloud.ibm.com/ml-runtime/spaces/create-space?context=wx`. The page title is "Create a deployment space". A sub-header says "Use a space to collect assets in one place to create, run, and manage deployments". On the left, there's a sidebar with "+ New" and "Local file" options. The main area has a "Deployment stage" input field with a placeholder "Select or enter a name that describes the purpose of the space". A dropdown menu is open, showing "New stage" and "Development" selected. Below the dropdown, there are buttons for "Production" (which is highlighted in blue), "Testing", and "Cloud Object Storage-qv". At the bottom are "Cancel" and "Create" buttons.



SELECT WATSONX.AI RUNTIME



The screenshot shows a web browser window with the URL `dataplatform.cloud.ibm.com/ml-runtime/spaces/create-space?context=wx`. The page title is "Create a deployment space". A sub-header says "Use a space to collect assets in one place to create, run, and manage deployments". On the left, there's a sidebar with a "+ New" button and a "Local file" option. The main area has a "Storage" section showing "Cloud Object Storage-qv". Below it, under "watsonx.ai Runtime (optional)", there's a dropdown menu with "Select or create an instance" and a "Create a new watsonx.ai Runtime service" button. A list shows "watsonx.ai Runtime-zh". At the bottom are "Cancel" and "Create" buttons.



TO BUILD AN AI

The screenshot shows the IBM WatsonX platform interface. At the top, there are three tabs: "Agent Lab (beta) — Docs | IBM", "Library Agent — LibraryAgentic", and "Home | IBM watsonx". The main header includes "IBM watsonx", "Upgrade", a help icon, a bell icon, the user name "SARANYA SARAVANAN's A...", "Dallas", and a "SS" button.

The main content area features a "Welcome back, SARANYA" message. On the left, there is a sidebar with the text "Train, validate, tune and deploy AI models." and a "Customize my journey" button.

In the center, there is a "Chat and build prompts with foundation models" section with a "Start chatting..." input field and a "Open Prompt Lab" button. Above this section is a dropdown menu "Open in: LibraryAgenticAI".

To the right, there are two main sections:

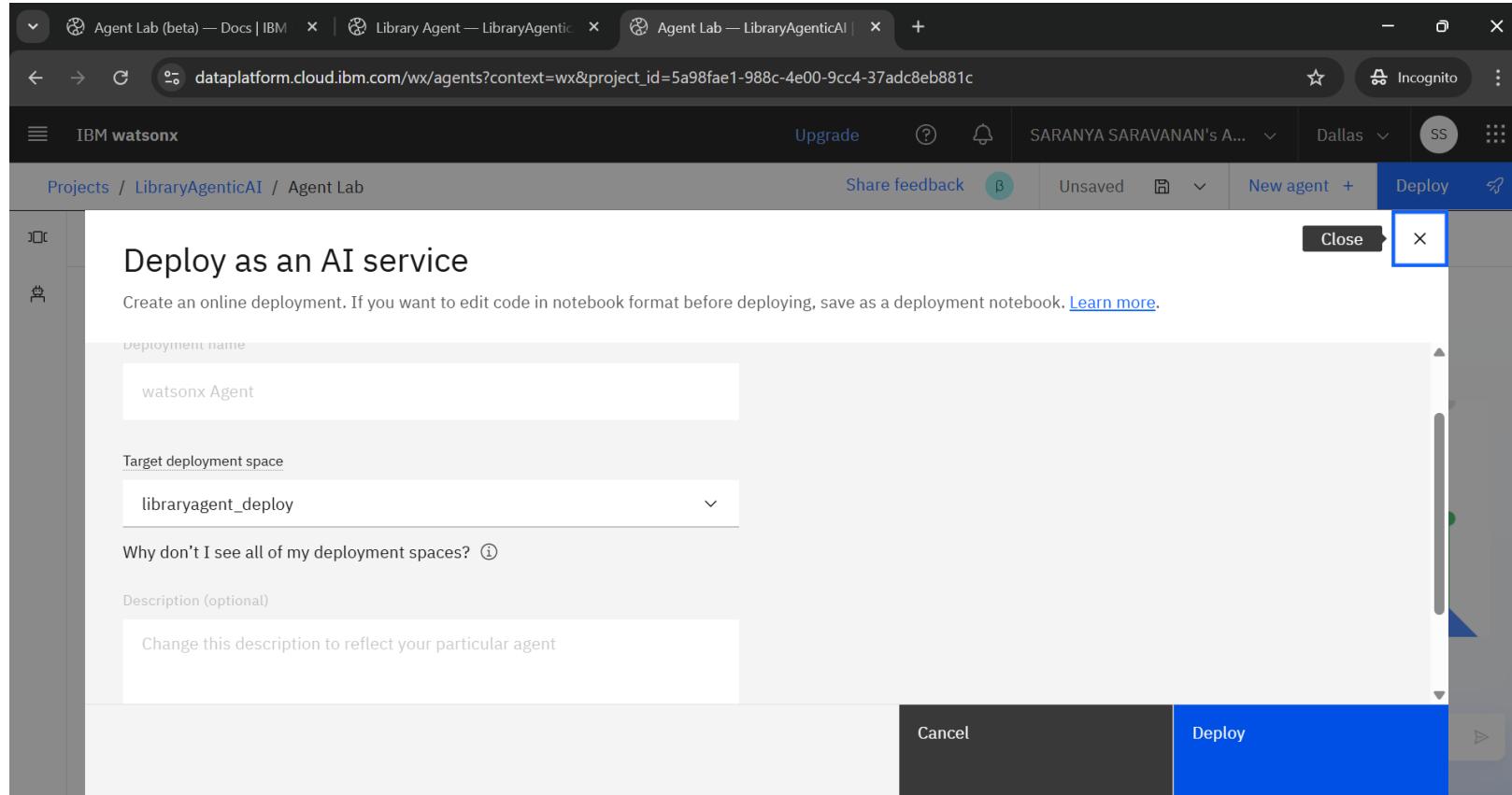
- "Build an AI agent to automate tasks with Agent Lab" (marked with a beta icon)
- "Tune a foundation model with labeled data with Tuning Studio"

At the bottom, there are navigation links: "Jump back in", "Recently visited pages", "Spaces / libraryagent_deploy", "LibraryAgenticAI / Library Agent", "LibraryAgenticAI / Agent Lab", and "Home / Deployments".

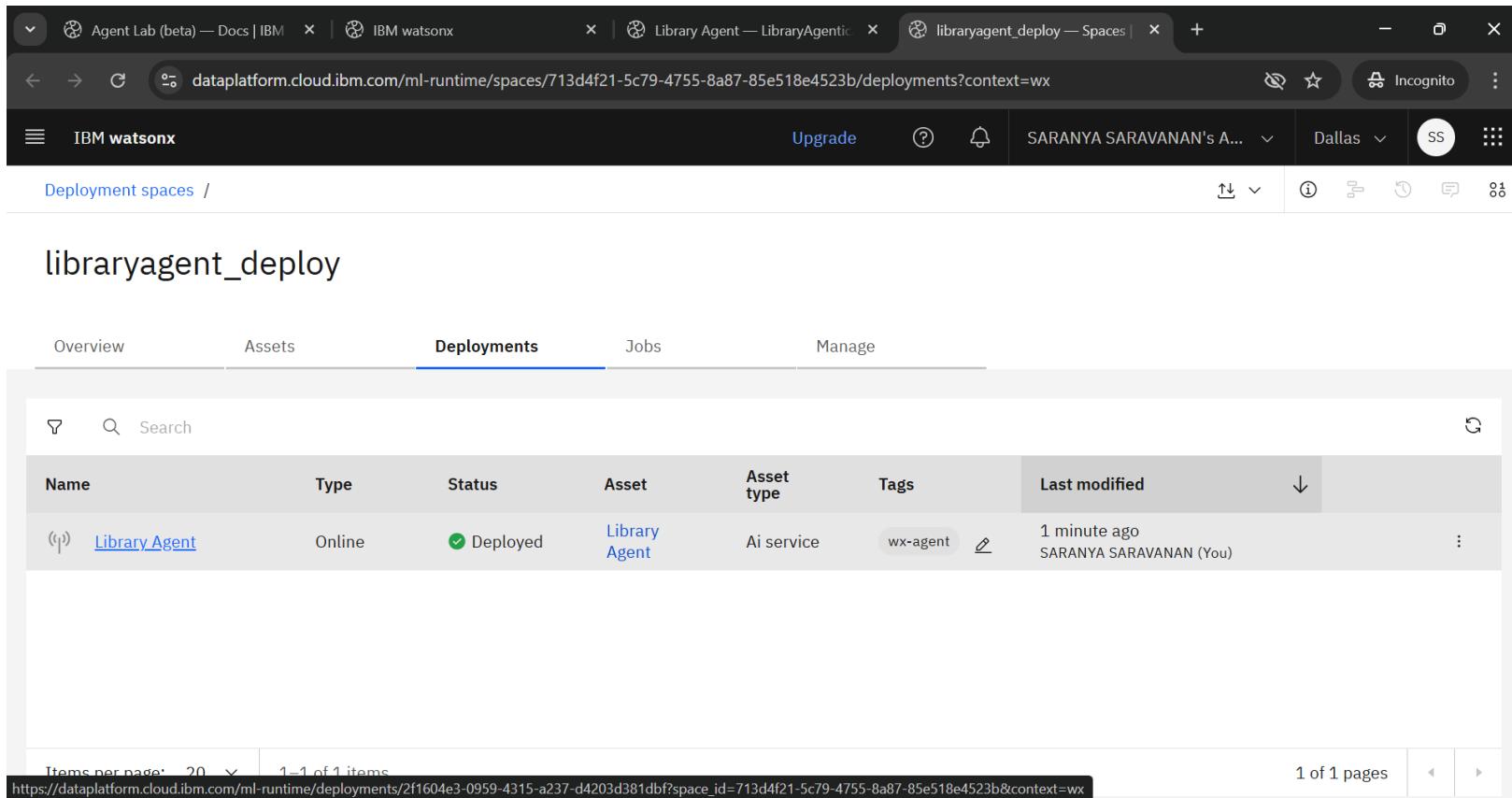
The URL in the address bar is https://dataplatform.cloud.ibm.com/wx/agents?context=wx&project_id=5a98fae1-988c-4e00-9cc4-37adc8eb881c.



CLICK DEPLOY



CLICK ON LIBRARY AGENT UNDER DEPLOYMENTS



The screenshot shows a web browser window with three tabs open:

- Agent Lab (beta) — Docs | IBM
- IBM watsonx
- Library Agent — LibraryAgentic

The main content area is titled "libraryagent_deploy — Spaces". The URL in the address bar is `dataplatform.cloud.ibm.com/ml-runtime/spaces/713d4f21-5c79-4755-8a87-85e518e4523b/deployments?context=wx`.

The page displays a table of deployments under the "Deployments" tab. The table has columns: Name, Type, Status, Asset, Asset type, Tags, and Last modified.

Name	Type	Status	Asset	Asset type	Tags	Last modified
(i) Library Agent	Online	Deployed	Library Agent	Ai service	wx-agent	1 minute ago SARANYA SARAVANAN (You)

At the bottom of the table, there are pagination controls: "Items per page: 20" and "1 of 1 pages". The full URL at the bottom of the page is `https://dataplatform.cloud.ibm.com/ml-runtime/deployments/2f1604e3-0959-4315-a237-d4203d381dbf?space_id=713d4f21-5c79-4755-8a87-85e518e4523b&context=wx`.



TYPE SOMETHINGS TO SEE THE PREVIEW AND HERE IS THE RESULT

The screenshot shows a web browser window with three tabs open:

- Agent Lab (beta) — Docs | IBM
- IBM watsonx
- Library Agent — LibraryAgent

The main content area is titled "IBM watsonx" and shows a "Deployment spaces / libraryagent_deploy / Library Agent /" path. The "Preview" tab is selected, displaying a chat interface. A user message says: "i need theory of machine book for mechanical anna university 2021 reg". The "Library Agent" responds: "Hello there! It sounds like you're preparing for a mechanical engineering course at Anna University for the 2021 regulation. Here are three books that should be very helpful for understanding the theory of machines:

1. **"Theory of Machines and Mechanisms" by R. S. Khurmi and J. K. Gupta** - This is a classic textbook that provides a comprehensive understanding of the theory of machines. It covers topics like kinematic pairs, dynamic forces, gears, and cam mechanisms with numerous examples and illustrations.

". Below the chat is a text input field with placeholder "Type something...".

To the right, a sidebar titled "About this deployment" lists deployment details:

- Name: Library Agent
- Description: hello! i suggest book based on your syllabus
- Deployment Details:
 - Deployment ID: 2f1604e3-0959-43...
 - Serving name: No serving name.
 - Software specification: runtime-24.1-py3.11
 - Hardware specification: Extra extra small: 1 CPU and 2 GB RAM
 - Copies: 1
- Tags

Thank You

