

STEP BY STEP PROJECT

SCREENSHOT

IBM Cloud | SB4Academia_Problem Statement

https://cloud.ibm.com

IBM Cloud Search resources and products... Catalog Manage HARSH Trivedi's Account ? 📁 🔍 📈 📉 📧 🌐

Dashboard

Edit dashboard ⚙️ Upgrade account Create resource + :

For you

Select an option

Build
Explore IBM Cloud with this selection of easy starter tutorials and services.

Track emissions with Carbon Calculator
View estimated greenhouse gas emissions for your IBM Cloud account and export data for ESG reporting.

Use Watson Assistant
Watson Assistant lets you build conversational interfaces into any application, device, or channel.

Build with Watson
Chatbots, insights, recognizers, and more. Explore the AI platform for business.

Use Watson Studio
Watson Studio provides a suite of tools and a collaborative environment for data scientists, developers and domain experts.

Browse, select, and create a database
Choose from our range of available databases to store critical data and documents for your system. Include deployment time.

Recommended 1 min **Popular** 2 min **Popular** 3 min **Popular** 2 min **Getting started** 10 min

IBM Cloud status View all  **Recent support cases** View all **Planned maintenance** View all **Total emissions** View all
Emissions (kgCO₂e)

29°C Mostly cloudy  ENG IN 11:48 02-08-2025

New tab Resource list - IBM Cloud SB4Academia_Problem Statement

https://cloud.ibm.com/resources

IBM Cloud WATSONX.AI STUDIO

Resource list

Name Filter by name or IP address

Compute (0) Containers (0) Networking (0) Storage (0) Converged infrastructure (0) Enterprise applications (0) AI / Machine Learning (0) Analytics (0) Blockchain (0) Databases (0) Developer tools (0) Observability (0)

Catalog Results View all catalog results

watsonx.ai Studio Service

watsonx Service

NeuralSeek Service

Cloud automation for watsonx.ai Software

Watsonx.ai SaaS with Assistant and Governance Software

0 resource results found

Create resource +

Product	Status	Tags
Filter...	Filter...	Filter... ▾

29°C Mostly cloudy Search 11:51 ENG IN 02-08-2025

Screenshot of the IBM Cloud Catalog showing the creation of a Watsonx.ai Studio service.

Header: New tab, watsonx.ai Studio - IBM Cloud, SB4Academia_Problem Statement

Sidebar (Left):

- Create:** Selected tab.
- Type:** Service
- Provider:** IBM
- Last updated:** 05/06/2025
- Category:** AI / Machine Learning
- Compliance:** HIPAA Enabled, IAM-enabled
- Location:** Sydney (au-syd), Frankfurt (eu-de), London (eu-gb), Tokyo (jp-tok), Dallas (us-south), Toronto (ca-tor)

Main Content Area:

Select a location: London (eu-gb) selected.

Select a pricing plan: Prices shown are for country or location: United States

Plan	Features and capabilities	Pricing
Lite	1 authorized user 10 capacity unit-hours monthly limit Environment = # of capacity units required per hour <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 = 7 (requires Watsonx.ai Runtime)	Free

Summary (Right):

watsonx.ai Studio (Free)

- Location: London (eu-gb)
- Plan: Lite
- Service name: watsonx.ai Studio-0g
- Resource group: Default

Buttons (Right):

- I have read and agree to the following license agreements:
[Terms](#)
- Create** (Large blue button)
- Add to estimate

Bottom Bar:

- Cloud icon, 29°C, Mostly cloudy
- Search bar
- File, Database, Analytics, Watson, Watsonx, Watson Studio icons
- Network, ENG IN, Battery, 11:54, 02-08-2025, Bell icon

New tab | Service Details - IBM Cloud | Home | IBM watsonx.ai Studio | SB4Academia_Problem Statement | +

https://eu-gb.dataplatform.cloud.ibm.com/home2?context=cpdaas&apps=data_science_experience&nocache=true&onboarding=true&quick_start_target=data_science_experience

IBM watsonx.ai Studio Search in your workspaces Upgrade ? HARSH Trivedi's Account London HT

Welcome, Harsh!

Build and manage ML models with watsonx.ai Studio

watsonx.ai Studio is a service that you use to build, deploy, and manage AI models and to optimize decisions.

Work within a project to build models. Customize how you work by choosing from notebooks, graphical canvases, and no-code tools.

Get started with watsonx.ai Studio by provisioning a watsonx.ai Studio and watsonx.ai Runtime service instance.

Get started

- Provision watsonx.ai Studio
Create an instance of watsonx.ai Studio from the service catalog.
- Provision watsonx.ai Runtime
Create an instance of watsonx.ai Runtime from the service catalog.

Quick start

- Build customer profiles with IBM Match 360 with Watson
- Catalog and govern data with watsonx.data intelligence
- Build and manage ML models with watsonx.ai Studio
- Query data anywhere with Data Virtualization

TravelPlannerGranite Jul 29, 2025 4:04 PM

Cancel Next

29°C Mostly cloudy

Search

Cloud, File, Microsoft Word, Microsoft Excel, Microsoft Powerpoint, Microsoft Edge, Google Chrome, Mozilla Firefox

ENG IN 11:59 02-08-2025

New tab | Service Details - IBM Cloud | Home | IBM watsonx.ai Studio | SB4Academia_Problem Statement | +

https://eu-gb.dataplatform.cloud.ibm.com/home2?context=cpdaas&apps=data_science_experience&nocache=true&onboarding=true&quick_start_target=data_science_experience

IBM watsonx.ai Studio Search in your workspaces Upgrade HARSH Trivedi's Account London HT

watsonx.ai Runtime

Author: IBM • Date of last update: Jul 23, 2025 • Docs • API Docs

Create About

Select a region

Select a region

London

Pricing plan

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)	Free

Summary

watsonx.ai Runtime

Region: London
Plan: Lite
Service name: watsonx.ai Runtime-ha
Resource group: Default

Create

View terms

Cancel

5 29°C Mostly cloudy

Search

12:01 02-08-2025 ENG IN

New tab | Service Details - IBM Cloud | Home | IBM watsonx.ai Studio | SB4Academia_Problem Statement | +

https://eu-gb.dataplatform.cloud.ibm.com/home2?context=cpdaas&apps=data_science_experience&nocache=true&onboarding=true&quick_start_target=data_science_experience

IBM watsonx.ai Studio | Search in your workspaces | Upgrade | ? | HARSH Trivedi's Account | London | HT

Welcome, Harsh!

Take a tutorial
Step through implementing a Data fabric use case in a sample project.

Work with
Create a pro prepare data models.

Build and manage ML models with watsonx.ai Studio

watsonx.ai Studio is a service that you use to build, deploy, and manage AI models and to optimize decisions. Work within a project to build models. Customize how you work by choosing from notebooks, graphical canvases, and no-code tools.

Get started

Sample project
Open a sample project with pre-built watsonx.ai Studio assets.

New project
Create a project and then add your own data to get started.

Cancel | Next

TravelPlannerGranite | Jul 29, 2025 4:04 PM

HT

29°C | Mostly cloudy | ENG IN | 12:02 | 02-08-2025

Search | File | Folder | App | M | Book | Chrome | Edge

Deployments | +

Deployment	Date	Time
Power System Fault Detection and Classification prediction	Jul 30, 2025	10:51 PM
Maternal Health Insights – SDG 3.1 Deployment	Jul 29, 2025	11:44 PM

New tab | Service Details - IBM Cloud | New project | IBM watsonx.ai Studio | Cloud Object Storage — Services | SB4Academia_Problem Statement | +

<https://eu-gb.dataplatform.cloud.ibm.com/data/catalog/cloud-object-storage?context=cpdaas&target=cloud-object-storage&closeTab=true>

IBM watsonx.ai Studio Search in your workspaces Upgrade HARSH Trivedi's Account London HT

Services catalog /

Cloud Object Storage

Author: IBM • Date of last update: Apr 15, 2025 • [Docs](#) • [API Docs](#)

Create About

Pricing plan

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

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)	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 <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	

Summary

Cloud Object Storage

Region: Global
Plan: Lite(deprecated)
Service name: Cloud Object Storage-uv
Resource group: Default

Create View terms Cancel

29°C Mostly cloudy Search

12:10 02-08-2025 ENG IN

New tab | Service Details - IBM Cloud | New project | IBM watsonx.ai Studio | SB4Academia_Problem Statement | +

https://eu-gb.dataplatform.cloud.ibm.com/projects/new-project?context=cpdaas

IBM watsonx.ai Studio | Search in your workspaces | Upgrade | ? | HARSH Trivedi's Account | London | HT

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: Power System Fault Detection and Classification-1

Description (optional):
The stability and reliability of power distribution systems are critical for uninterrupted power supply and infrastructure operations. Faults such as Line-to-Ground (LG), Line-to-Line (LL), Double Line-to-Ground (DLG), and Three-Phase faults (LLL) can cause serious disruptions if not detected and classified promptly. This project aims to develop a machine learning-based fault detection and classification model using electrical measurements such as voltage and current phasors.

Tags (optional): Add tags
Add tags to make projects easier to find. To add tags, separate them with commas and press Enter.

Storage: Cloud Object Storage-uv

Cancel | Create

5 29°C Mostly cloudy | Search | ⚒️ | 📁 | 📱 | 🎮 | 📌 | 🎧 | ENG IN | 12:11 | 02-08-2025

New tab | Service Details - IBM Cloud | Power System Fault Detection and Classification-1 | SB4Academia_Problem Statement | +

https://eu-gb.dataplatform.cloud.ibm.com/projects/e9f9784c-1c5a-4a55-b963-ba0cbdd6c6d3?context=cpdaas

IBM watsonx.ai Studio Search in your workspaces Upgrade HARSH Trivedi's Account London HT

Projects / Power System Fault Detection and Classification-1

Overview Assets Jobs Manage

Start working Recommended

- Add users as collaborators →
- Add data to work with →
- Work with data and models in Python or R notebooks →
- Build machine learning models automatically →

[View all](#) [Collapse](#)

Assets By all ▾

Assets that you create with tools show here. See all assets, including data assets, on the Assets page.

View all

Resource usage ⓘ

For this month in this project

0 CUH

Your documentation New!

Get started with your documentation

You can create and manage documents about work that you do in this project.

[Open Documentation editor](#) →

Project history

29°C Mostly cloudy | Search | ⚒ | File | Folder | Microsoft Word | Microsoft Excel | Microsoft Powerpoint | Microsoft Edge | Google Chrome | Microsoft Teams | 12:13 02-08-2025 | ENG IN | Wi-Fi | Battery | 5G | 02-08-2025

New tab | Service Details - IBM Cloud | Power System Fault Detection and Classification-1 | SB4Academia_Problem Statement | +

https://eu-gb.dataplatform.cloud.ibm.com/projects/e9f9784c-1c5a-4a55-b963-ba0cbdd6c6d3/manage/services?context=cpdaas

IBM watsonx.ai Studio Search in your workspaces Upgrade HARSH Trivedi's Account London HT

Projects / Power System Fault Detection and Classification-1

Overview Assets Jobs Manage

Services & integrations

Project

General Access control Environments Resource usage Services & integrations

IBM services Third-party integrations

Associate IBM Cloud services with this project to add tools, compute environments, or other capabilities. [Learn more.](#)

Find services Associate service +

Name Service type

No services

Click **Associate service** or ask a project Admin to associate one

29°C Mostly cloudy Search

12:16 ENG IN 02-08-2025

IBM Watsonx.ai Studio

Search in your workspaces

Upgrade HARSH Trivedi's Account London HT

Projects / Power System Fault Detection and Classification-1

Associate service

Choose an existing or add a new service to associate with your project.

1 Default 2 Locations

Find services New service +

Name	Type	Plan	Location	Status	Group
watsonx.ai Runtime-ha ⓘ	watsonx.ai Runtime	Lite	London	Not associated	Default

Cancel Associate

5 29°C Mostly cloudy

Search

Power System Fault Detection and Classification-1

Service Details - IBM Cloud

SB4Academia_Problem Statement

12:17 02-08-2025 ENG IN

Screenshot of the IBM Watsonx.ai Studio interface showing the "Manage" tab for a project titled "Power System Fault Detection and Classification-1".

The top navigation bar includes tabs for "Service Details - IBM Cloud", "Power System Fault Detection and Classification-1", and "SB4Academia_Problem Statement". The URL in the address bar is <https://eu-gb.dataplatform.cloud.ibm.com/projects/e9f9784c-1c5a-4a55-b963-ba0cbdd6c6d3/manage/services?context=cpdaas>.

The main content area is titled "Services & integrations". It shows "IBM services (1)" and "Third-party integrations". A callout text says: "Associate IBM Cloud services with this project to add tools, compute environments, or other capabilities." with a "Learn more" link.

A search bar "Find services" is available, along with a "Associate service" button and a "+" icon.

The "IBM services (1)" section lists "watsonx.ai Runtime-ha" under "Name" and "watsonx.ai Runtime" under "Service type".

The left sidebar includes sections for "Project" (General, Access control, Environments, Resource usage), "Services & integrations" (selected), "Tools", and "Pipeline".

The bottom status bar shows weather information (29°C, Mostly cloudy), system icons (Windows, Search, File Explorer, Microsoft Edge, Google Chrome, Task View), connectivity (Wi-Fi, ENG IN), battery level (12:18), and the date (02-08-2025).

The screenshot shows the IBM WatsonX AI Studio interface for a project titled "Power System Fault Detection and Classification-1". The top navigation bar includes tabs for "Service Details - IBM Cloud", "Power System Fault Detection and", and "SB4Academia_Problem Statement". The main header features the "IBM watsonx.ai Studio" logo, a search bar, and account information for "HARSH Trivedi's Account" and "London". The left sidebar has sections for "Overview", "Assets", "Jobs", and "Manage". The main content area displays four cards: "Add users as collaborators", "Add data to work with", "Work with data and models in Python or R notebooks", and "Build machine learning models automatically". Below these are sections for "Assets", "Resource usage", "Your documentation", and "Project history". The bottom of the screen shows a taskbar with various icons and system status indicators.

New tab | Service Details - IBM Cloud | Power System Fault Detection and Classification | SB4Academia_Problem Statement | +

https://eu-gb.dataplatform.cloud.ibm.com/projects/e9f9784c-1c5a-4a55-b963-ba0cbdd6c6d3/overview?context=cpdaas

IBM watsonx.ai Studio Search in your workspaces Upgrade HARSH Trivedi's Account London HT

Projects / Power System Fault Detection and Classification-1

Overview Start Build machine learning models automatically

Define the details to create an AutoAI experiment asset and open it in the AutoAI tool.

+ New Sample

Define details

Name: Power System Fault Detection and Classification using Auto AI on

Description (optional): This phase involves automatically building machine learning models using IBM Watson Studio's Auto AI.

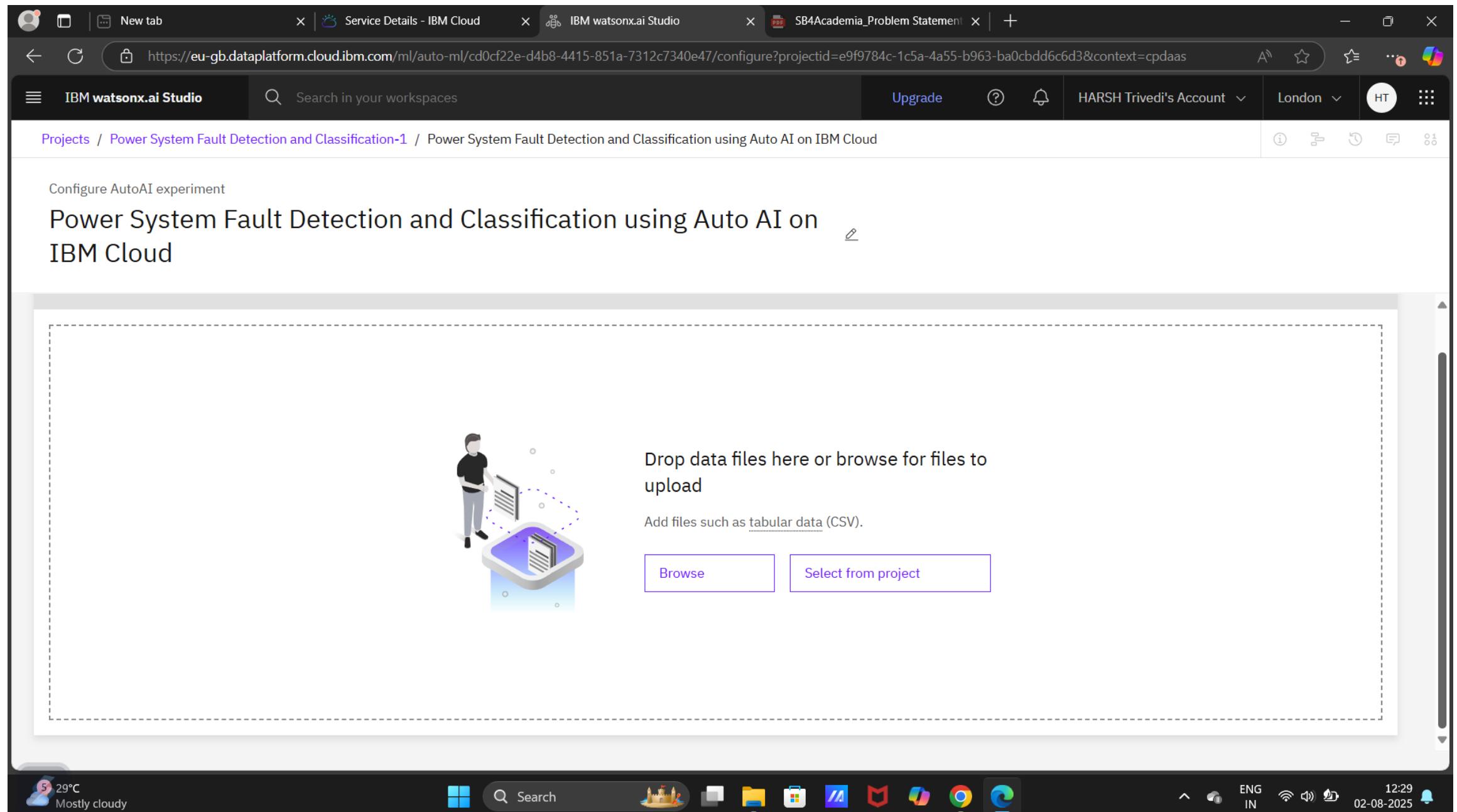
Define configuration

watsonx.ai Runtime service instance: watsonx.ai Runtime-ha

Environment definition: Large: 8 CPU and 32 GB RAM

This environment definition consumes **20 capacity units per hour** for training. For details, see [watsonx.ai Runtime plans](#).

Cancel Back Create



Open

Harsh - Personal > Documents

Search Documents

Organize New folder

Name Status Date modified Type

- Custom Office Templates 10-11-2024 13:25 File folder
- OneNote Notebooks 21-11-2024 16:16 File folder
- Zoom 31-07-2025 19:24 File folder
- FAULT-DATA PS-41 31-07-2025 00:09 Microsoft Excel C
- public_response 24-03-2025 14:46 Microsoft Excel C

File name: FAULT-DATA PS-41

Upload from mobile Open Cancel

Drop data files here or browse for files to upload

Add files such as tabular data (CSV).

Browse Select from project

SB4Academia_Problem Statement

configure?projectId=e9f9784c-1c5a-4a55-b963-ba0cbdd6c6d3&context=cpdaas

Upgrade ? HARSH Trivedi's Account London HT

Using Auto AI on IBM Cloud

to AI on

29°C Mostly cloudy

Search

12:30 02-08-2025 ENG IN

New tab | Service Details - IBM Cloud | Power System Fault Detection and Classification-1 | SB4Academia_Problem Statement | +

https://eu-gb.dataplatform.cloud.ibm.com/ml/auto-ml/cd0cf22e-d4b8-4415-851a-7312c7340e47/configure?projectid=e9f9784c-1c5a-4a55-b963-ba0cbdd6c6d3&context=cpdaas

IBM watsonx.ai Studio | Search in your workspaces | Upgrade | HARSH Trivedi's Account | London | HT

Projects / Power System Fault Detection and Classification-1 / Power System Fault Detection and Classification using Auto AI on IBM Cloud

Configure AutoAI experiment

Power System Fault Detection and Classification using Auto AI on IBM Cloud

Autosaved: 12:30:53 pm

Add data source

Add files such as tabular data (CSV).

Browse | Select from project

FAULT-DATA PS-41.csv | Size: 47.42 KB | Columns: 13

Configure details

Create a time series analysis?

Enable this option to predict future activity over a specified date/time range. Data must be structured and sequential. [Learn more](#)

Yes | No

29°C Mostly cloudy | Search | ⌂ | 🏰 | 📁 | 📱 | 🎮 | 📚 | 🎨 | 🌐 | ENG IN | 12:34 | 02-08-2025

AutoSave Off FAULT-DATA PS-41 Search HT - X

File Home Insert Page Layout Formulas Data Review View Developer Help Power Pivot Comments Share

Cut Copy Format Painter Paste Font Alignment Number Styles Cells Editing Add-ins

Font: Calibri 11pt. Alignment: General. Number: General. Styles: Conditional Formatting, Format as Table, Cell Styles. Cells: Insert, Delete, Format. Editing: AutoSum, Fill, Sort & Filter, Find & Select, Clear. Add-ins: Add-ins.

POSSIBLE DATA LOSS Some features might be lost if you save this workbook in the comma-delimited (.csv) format. To preserve these features, save it in an Excel file format. Don't show again Save As...

Fault ID Fault Type Fault Location (Latitude, Longitude) Voltage (V) Current (A) Power Load (MW) Temperature (°C) Wind Speed (km/h) Weather Condition Maintenance Status Component Health Duration of Fault (hrs) Down t

A	B	C	D	E	F	G	H	I	J	K	L	M
1	Fault ID	Fault Type	Fault Location (Latitude, Longitude)	Voltage (V)	Current (A)	Power Load (MW)	Temperature (°C)	Wind Speed (km/h)	Weather Condition	Maintenance Status	Component Health	Duration of Fault (hrs)
2	F001	Line Breakage	(34.0522, -118.2437)	2200	250	50	25	20	Clear	Scheduled	Normal	2
3	F002	Transformer Failure	(34.056, -118.245)	1800	180	45	28	15	Rainy	Completed	Faulty	3
4	F003	Overheating	(34.0525, -118.244)	2100	230	55	35	25	Windstorm	Pending	Overheated	4
5	F004	Line Breakage	(34.055, -118.242)	2050	240	48	23	10	Clear	Completed	Normal	2.5
6	F005	Transformer Failure	(34.0545, -118.243)	1900	190	50	30	18	Snowy	Scheduled	Faulty	3.5
7	F006	Overheating	(34.05, -118.24)	2150	220	52	32	22	Thunderstorm	Pending	Overheated	5
8	F007	Line Breakage	(34.9449, -118.9839)	1994	233	51	23	21	Snowy	Completed	Normal	3.7
9	F008	Transformer Failure	(34.2294, -118.2988)	2133	229	52	20	18	Snowy	Scheduled	Normal	5.4
10	F009	Line Breakage	(34.1279, -118.8442)	2155	240	45	21	29	Rainy	Pending	Overheated	3.2
11	F010	Line Breakage	(34.4192, -118.8254)	2065	199	55	25	21	Clear	Scheduled	Normal	4
12	F011	Overheating	(34.3732, -118.1586)	2118	221	45	20	20	Clear	Completed	Normal	4.9
13	F012	Transformer Failure	(34.0465, -118.623)	2106	247	47	25	13	Clear	Completed	Normal	2.4
14	F013	Line Breakage	(34.9687, -118.5356)	2012	248	52	24	29	Clear	Completed	Faulty	3.9
15	F014	Line Breakage	(34.3229, -118.46)	2289	192	52	35	28	Rainy	Scheduled	Normal	4.1
16	F015	Line Breakage	(34.2256, -118.9178)	1848	231	49	39	13	Rainy	Scheduled	Faulty	2.7
17	F016	Transformer Failure	(34.7105, -118.5379)	2102	246	53	38	18	Rainy	Completed	Faulty	3.5
18	F017	Overheating	(34.9346, -118.9658)	2263	229	55	21	16	Rainy	Scheduled	Normal	4.5
19	F018	Line Breakage	(34.1619, -118.6775)	2092	241	52	31	16	Thunderstorm	Completed	Faulty	6
20	F019	Transformer Failure	(34.5459, -118.8822)	1943	245	50	30	15	Snowy	Completed	Faulty	5.1
21	F020	Line Breakage	(34.668, -118.6576)	2065	213	46	31	23	Clear	Pending	Normal	2.4
22	F021	Line Breakage	(34.1203, -118.2873)	1864	224	49	34	23	Thunderstorm	Scheduled	Overheated	2.7
23	F022	Overheating	(34.1949, -118.16)	1913	182	48	31	26	Thunderstorm	Scheduled	Overheated	5.4
24	F023	Overheating	(34.3627, -118.7696)	2284	247	47	31	15	Clear	Pending	Normal	4.5
25	F024	Line Breakage	(34.8432, -118.2489)	1877	249	54	33	16	Snowy	Scheduled	Faulty	3.2
26	F025	Transformer Failure	(34.8937, -118.532)	1869	218	45	22	18	Thunderstorm	Pending	Faulty	2.8

FAULT-DATA PS-41 +

Ready Accessibility: Unavailable 29°C Mostly cloudy Search ENG IN 12:38 02-08-2025

New tab | Service Details - IBM Cloud | Power System Fault Detection and ... | SB4Academia_Problem Statement | +

https://eu-gb.dataplatform.cloud.ibm.com/ml/auto-ml/cd0cf22e-d4b8-4415-851a-7312c7340e47/configure?projectid=e9f9784c-1c5a-4a55-b963-ba0cbdd6c6d3&context=cpdaas

IBM watsonx.ai Studio Search in your workspaces Upgrade ? HARSH Trivedi's Account London HT

Projects / Power System Fault Detection and Classification-1 / Power System Fault Detection and Classification using Auto AI on IBM Cloud

Configure AutoAI experiment

Power System Fault Detection and Classification using Auto AI on IBM Cloud

Autosaved: 12:30:53 pm

Add files such as tabular data (CSV).
Browse Select from project

FAULT-DATA PS-41.csv
Size: 47.42 KB Columns: 13

Enable this option to predict future activity over a specified date/time range. Data must be structured and sequential. [Learn more](#) Yes No

What do you want to predict?
Prediction column ⓘ Fault Type

Prediction column: Fault Type CUH remaining: 20 CUH

PREDICTION TYPE Multiclass Classification OPTIMIZED FOR Accuracy & run time

Experiment settings Run experiment

This screenshot shows the configuration of an AutoAI experiment titled 'Power System Fault Detection and Classification using Auto AI on IBM Cloud'. On the left, there's a file upload section for CSV data, with a 'FAULT-DATA PS-41.csv' file selected. In the center, the 'Prediction column' is set to 'Fault Type'. Below this, the 'PREDICTION TYPE' is 'Multiclass Classification' and it's 'OPTIMIZED FOR' 'Accuracy & run time'. At the bottom, there are 'Experiment settings' and a prominent purple 'Run experiment' button.

IBM watsonx.ai Studio Search in your workspaces Upgrade HARSH Trivedi's Account London HT

Projects / Power System Fault Detection and Classification-1 / Power System Fault Detection and Classification using Auto AI on IBM Cloud

Experiment summary Pipeline comparison ★ Rank by: Accuracy (Optimized) | Cross validation score

Relationship map ⓘ

Prediction column: Fault Type

The Relationship map displays a complex network of relationships between various components. It features four concentric rings: the outermost ring contains numerous small white circles representing Feature Transformers; the second ring from the outside is labeled 'PIPELINES' and contains several purple circles; the third ring is labeled 'TOP ALGORITHMS' and contains blue circles; and the innermost ring is labeled 'FAULT-DATA PS-41...' and contains a single black circle. Dashed lines connect nodes between adjacent rings, indicating dependencies or interactions.

Progress map

Swap view ↗

The Progress map shows a grid of nodes representing generated pipelines. Most nodes are black dots, while some are purple or blue, likely indicating different stages or types of pipelines. A legend on the left side of the map area shows symbols for different pipeline types.

Experiment completed ✓
9 PIPELINES GENERATED
9 pipelines generated from algorithms. See pipeline leaderboard below for more detail.
Time elapsed: 4 minutes

View log Save code

Pipeline leaderboard

Rank	Name	Algorithm	Specialization	Accuracy (Optimized)	Enhancements	Build time
1	Pipeline 1	Random Forest	Classification	95%	High	10m 30s
2	Pipeline 2	SVM	Classification	94%	Medium	8m 50s
3	Pipeline 3	Decision Tree	Classification	93%	Low	7m 45s
4	Pipeline 4	Naive Bayes	Classification	92%	Medium	6m 30s
5	Pipeline 5	Logistic Regression	Classification	91%	Low	5m 15s
6	Pipeline 6	KNN	Classification	90%	Medium	4m 45s
7	Pipeline 7	Ensemble Model	Classification	89%	High	3m 30s
8	Pipeline 8	Neural Network	Classification	88%	Medium	2m 45s
9	Pipeline 9	Support Vector Machine	Classification	87%	Low	1m 30s

29°C Mostly cloudy Search Windows Start File Explorer Microsoft Edge Microsoft Word Microsoft Excel Microsoft PowerPoint Microsoft Outlook 12:50 02-08-2025

New tab | Service Details - IBM Cloud | IBM watsonx.ai Studio | SB4Academia_Problem Statement | +

https://eu-gb.dataplatform.cloud.ibm.com/ml/auto-ml/cd0cf22e-d4b8-4415-851a-7312c7340e47/train?projectid=e9f9784c-1c5a-4a55-b963-ba0cbdd6c6d3&context=cpdaas

IBM watsonx.ai Studio | Search in your workspaces | Upgrade | HARSH Trivedi's Account | London | HT

Projects / Power System Fault Detection and Classification-1 / Power System Fault Detection and Classification using Auto AI on IBM Cloud

Experiment summary | Pipeline comparison | ★ Rank by: Accuracy (Optimized) | Cross validation score

Progress map

Prediction column: Fault Type

```
graph LR; A[Read dataset] --> B[Split holdout data]; B --> C[Read training data]; C --> D[Preprocessing]; D --> E[Model selection]; E --> F1[Snap Logistic Regression]; F1 --> P1((P1)); P1 --> F2[Hyperparameter optimization]; F2 --> P2((P2)); P2 --> F3[Feature engineering]; F3 --> P3((P3)); P3 --> F4[Hyperparameter optimization]; F4 --> P4((P4)); E --> F5((Random Forest Classifier)); F5 --> P5((P5)); P5 --> F6[Hyperparameter optimization]; F6 --> P6((P6)); P6 --> F7[Feature engineering]; F7 --> P7((P7)); P7 --> F8[Hyperparameter optimization]; F8 --> P8((P8)); P8 --> F9[Ensemble creation]; F9 --> P9((P9))
```

Relationship map

Swap view ↗

Experiment completed ✓
9 PIPELINES GENERATED
9 pipelines generated from algorithms. See pipeline leaderboard below for more detail.
Time elapsed: 4 minutes

View log | Save code

Pipeline leaderboard

Rank ↑	Name	Algorithm	Specialization	Accuracy (Optimized)	Enhancements	Build time
5	29°C	Mostly cloudy	Search	Specialization	Enhancements	Build time

Cloud icon | 29°C | Mostly cloudy | Search | Specialization | Enhancements | Build time | Weather icon | ENG IN | Wi-Fi | Battery | 12:51 | 02-08-2025 | Bell icon

New tab Service Details - IBM Cloud IBM watsonx.ai Studio SB4Academia_Problem Statement +

https://eu-gb.dataplatform.cloud.ibm.com/ml/auto-ml/cd0cf22e-d4b8-4415-851a-7312c7340e47/train?projectid=e9f9784c-1c5a-4a55-b963-ba0cbdd6c6d3&context=cpdaas

IBM watsonx.ai Studio Search in your workspaces Upgrade HARSH Trivedi's Account London HT

Projects / Power System Fault Detection and Classification-1 / Power System Fault Detection and Classification using Auto AI on IBM Cloud

Experiment summary Pipeline comparison ★ Rank by: A

FAULT-DATA PS-41....

Saved Model successfully.
P9 - Random Forest Classifier:
Power System Fault Detection and
Classification using Auto AI on IBM
Cloud was successfully saved to
Power System Fault Detection and
Classification-1.

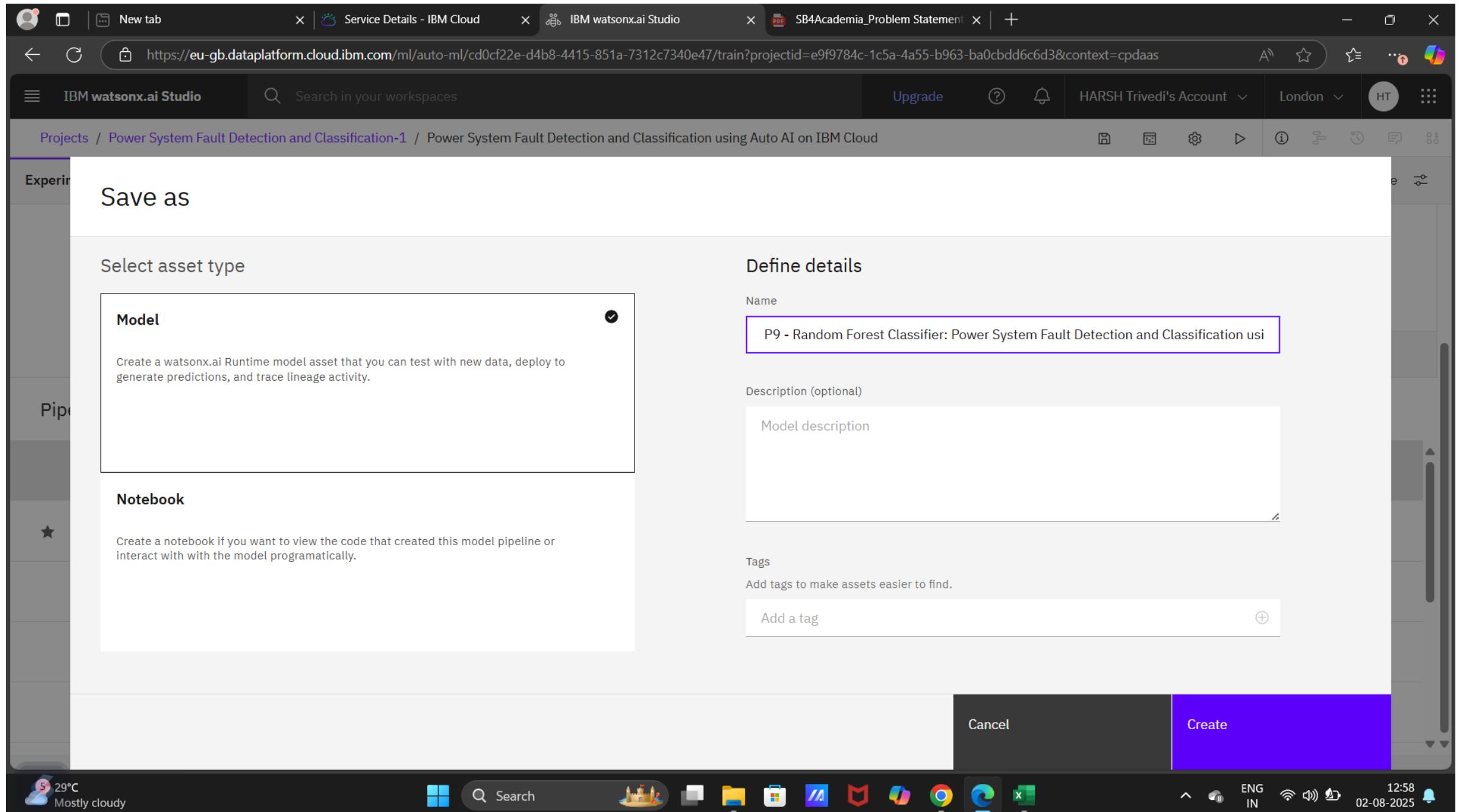
[View in project](#)

Pipeline leaderboard ▾

Rank ↑	Name	Algorithm	Specialization	Accuracy (Optimized) Cross Validation	Enhancements	Build time
★ 1	Pipeline 9	Batched Tree Ensemble Classifier (Random Forest Classifier)	INCR	0.409	HPO-1 FE HPO-2 BATCH	00:01:04
2	Pipeline 8	Random Forest Classifier		0.409	HPO-1 FE HPO-2	00:01:00
3	Pipeline 4	Snap Logistic Regression		0.393	HPO-1 FE HPO-2	00:00:36
4	Pipeline 3	Snap Logistic Regression		0.393	HPO-1 FE	00:00:30

https://eu-gb.dataplatform.cloud.ibm.com/ml-runtime/models/56986ce2-30ac-4afda17f-85205f96f500?project_id=e9f9784c-1c5a-4a55-b963-ba0cbdd6c6d3&context=cpdaas

29°C Mostly cloudy Search 13:00 ENG IN 02-08-2025



IBM Watsonx.ai Studio

Search in your workspaces

Upgrade HARSH Trivedi's Account London HT

Projects / ... / P9 - Random Forest Classifier: Power System Fault Detection and Classification using Auto AI on IBM Cloud

Promote to space About this asset

Input (1)

Column	Type
Component Health	other
Current (A)	double
Down time (hrs)	double
Duration of Fault (hrs)	double
Fault ID	other
Fault Location (Latitude, Longitude)	other
Maintenance Status	other
Power Load (MW)	double

Name: P9 - Random Forest Classifier: Power System Fault Detection and Classification using Auto AI on IBM Cloud

Description: No description provided.

Asset Details: Type: wml-hybrid_0.1, Model ID: 56986ce2-30ac-4a...
Software specification: hybrid_0.1, Hybrid pipeline software specifications: autoai-kb_rt24.1-py3.11

Tags: Add tags to make assets easier to find.

Last modified: 60 seconds ago by HARSH Trivedi

Created on: Aug 2, 2025 by HARSH Trivedi

29°C Mostly cloudy

Search

13:02 02-08-2025

New tab | Service Details - IBM Cloud | P9 - Random Forest Classifier: Pow... | SB4Academia_Problem Statement | +

https://eu-gb.dataplatform.cloud.ibm.com/ml-runtime/models/56986ce2-30ac-4af...?project_id=e9f9784c-1c5a-4a55-b963-ba0cbdd6c6d3&context=cpdaas

IBM watsonx.ai Studio Search in your workspaces Upgrade HARSH Trivedi's Account London HT

Projects / ... / P9 - Random Forest Classifier: Power System Fault Detection and Classification using Auto AI on IBM Cloud

Inp Promote to space

Promote the asset to a deployment space to deploy the asset or to support a deployment.

Target deployment space
Select or create a space

Why don't I see all of my spaces? ⓘ
 Go to the model in the space after promoting it

Description (Optional)
Description of assets

Find or create tags

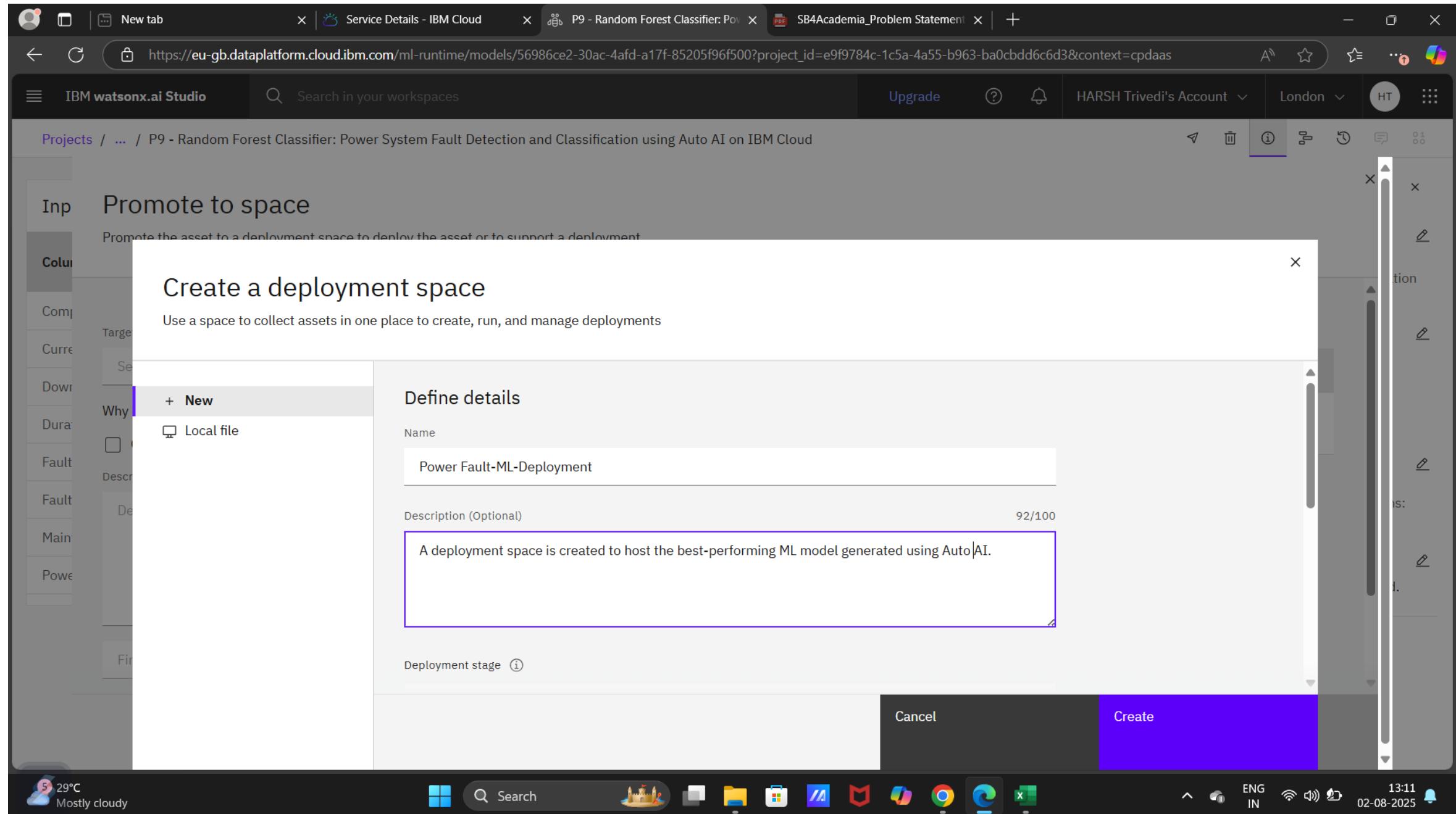
Selected assets (1)

Name	Format	Version	Status
P9 - Random Forest Classifier: Pow...	Model	Current	Queued

Promoting an asset promotes dependent assets as well. For example, promoting a model also promotes the associated software specification and package extensions. You will see all promoted assets in the target space.

Cancel Promote

29°C Mostly cloudy | Search | ⚒️ | 📁 | 📱 | 🛡️ | 🎮 | 🎨 | 🌐 | 📈 | ENG IN | 13:04 | 02-08-2025



New tab | Service Details - IBM Cloud | P9 - Random Forest Classifier: Pow... | SB4Academia_Problem Statement | +

https://eu-gb.dataplatform.cloud.ibm.com/ml-runtime/models/56986ce2-30ac-4af8-a17f-85205f96f500?project_id=e9f9784c-1c5a-4a55-b963-ba0cbdd6c6d3&context=cpdaas

IBM watsonx.ai Studio | Search in your workspaces | Upgrade | HARSH Trivedi's Account | London | HT

Projects / ... / P9 - Random Forest Classifier: Power System Fault Detection and Classification using Auto AI on IBM Cloud

Promote to space

Promote the asset to a deployment space to deploy the asset or to support a deployment.

Target deployment space: Power Fault-ML-Deployment

Why don't I see all of my spaces? ⓘ Go to the model in the space after promoting it

Description (Optional): Description of assets

Selected assets (1)

Name	Format	Version	Status
P9 - Random Forest Classifier: Pow...	Model	Current	Queued

Promoting an asset promotes dependent assets as well. For example, promoting a model also promotes the associated software specification and package extensions. You will see all promoted assets in the target space.

Cancel | Promote

5 29°C Mostly cloudy | Search | ⚒️ | 📁 | 🛡️ | 🌐 | 🎮 | 📺 | 🎧 | 📈 | 📊 | 13:13 | ENG IN | 02-08-2025

New tab Service Details - IBM Cloud P9 - Random Forest Classifier: Po SB4Academia_Problem Statement

https://eu-gb.dataplatform.cloud.ibm.com/ml-runtime/models/56986ce2-30ac-4af8-a17f-85205f96f500?project_id=e9f9784c-1c5a-4a55-b963-ba0cbdd6c6d3&context=cpdaas

IBM watsonx.ai Studio Search in your workspaces Upgrade ? HARSH Trivedi's Account London HT

Projects / ... / P9 - Random Forest Classifier: Power System Fault Detection and Classification using Auto AI on IBM Cloud

Inp Column Comp Current Down Durat Fault Fault Main Power

Promote to space

Promote the asset to a deployment space to deploy the asset or to support a deployment.

✓ Promotion completed.

Selected assets (1)

Name	Format	Version	Status
P9 - Random Forest Classifier: Power System Fault ...	Model	Current	Promoted ✓

Promoting an asset promotes dependent assets as well. For example, promoting a model also promotes the associated software specification and package extensions. You will see all promoted assets in the target space.

Close

5 29°C Mostly cloudy Search

13:14 ENG IN 02-08-2025

Success Successfully promoted P9 - Random Forest Classifier: Power System Fault Detection and Classification using Auto AI on IBM Cloud to the deployment space. Go to the [deployment space](#) to prepare the assets for deployment. Timestamp 1:14:02 PM

Service Details - IBM Cloud | Power Fault-ML-Deployment — S | SB4Academia_Problem Statement | +

https://eu-gb.dataplatform.cloud.ibm.com/ml-runtime/spaces/43994fda-b25f-46ae-a1cd-4ac5faa59394/assets?context=cpdaas

IBM watsonx.ai Studio Search in your workspaces Upgrade HARSH Trivedi's Account London HT

Deployment spaces /

Power Fault-ML-Deployment

Overview Assets Deployments Jobs Manage

Find assets Import assets New asset

1 asset All assets

Name	Last modified
P9 - Random Forest Classifier: Power System Fault Detection and Classification using Auto AI on IBM Cloud Machine learning model from AutoAI	37 seconds ago HARSH Trivedi (You)

Asset types: All assets (1), Models (1)

Items per page: 20 1-1 of 1 items

1 of 1 pages

29°C Mostly cloudy Search

13:15 02-08-2025 ENG IN

Screenshot of the IBM Watsonx.ai Studio interface showing the "Deployments" tab for a Random Forest Classifier asset.

The top navigation bar includes tabs for "Service Details - IBM Cloud", "P9 - Random Forest Classifier: PoV", "SB4Academia_Problem Statement", and a "New tab". The URL in the address bar is https://eu-gb.dataplatform.cloud.ibm.com/ml-runtime/models/ad8c4cc0-0a7c-479f-a733-8e05ddd8b840?space_id=43994fda-b25f-46ae-a1cd-4ac5faa59394&context=cpdaas.

The main content area shows the "Deployments" tab selected, with a table header for Name, Type, Status, Tags, and Last modified. A prominent purple button labeled "New deployment" is visible. Below the table, a message states: "This asset doesn't have any deployments yet. Use the New Deployment button to create a deployment for this asset." There is also a search bar and a refresh icon.

The right sidebar displays the "About this asset" details:

- Name:** P9 - Random Forest Classifier: Power System Fault Detection and Classification using Auto AI on IBM Cloud
- Description:** No description provided.
- Asset Details:** Type: wml-hybrid_0.1, Model ID: ad8c4cc0-0a7c-47..., Software specification: hybrid_0.1, Hybrid pipeline software specifications: autoai-kb_rt24.1-py3.11
- Tags:** Add tags to make assets easier to find.
- Source asset details:** Last modified 1 minute ago by HARSH Trivedi, Created on 02-08-2025

The bottom of the screen shows the Windows taskbar with icons for weather, search, file explorer, and various applications like Microsoft Word, Excel, and Google Chrome. The system tray shows the date and time (13:15, 02-08-2025) and battery status.

New tab | Service Details - IBM Cloud | P9 - Random Forest Classifier: Po | SB4Academia_Problem Statement | +

https://eu-gb.dataplatform.cloud.ibm.com/ml-runtime/models/ad8c4cc0-0a7c-479f-a733-8e05ddd8b840?space_id=43994fda-b25f-46ae-a1cd-4ac5faa59394&context=cpdaas

IBM watsonx.ai Studio | Search in your workspaces | Upgrade | ? | 🔔 | HARSH Trivedi's Account | London | HT

... / P9 - Random Forest Classifier: Power System Fault Detection and Classification using Auto AI on IBM Cloud

Deploys

Create a deployment

Name

Define details

Associated asset
P9 - Random Forest Classifier: Power System Fault Detection and Classification using Auto AI on IBM Cloud

Deployment type

Online Run the model on data in real-time, as data is received by a web service.

Batch Run the model against data at a specific time or process.

No watsonx.ai Runtime service instance associated with your space

Associate a watsonx.ai Runtime service instance with your space on the space settings page, then create a new deployment. [Learn more](#).

Cancel Go to space settings

Name

Deployment name

Serving name

Deployment serving name

Item

Cancel Create

Cloud icon 5 29°C Mostly cloudy | Search | File | Folder | Microsoft Edge | Microsoft Bookmarks | Microsoft Teams | Google Chrome | Microsoft Excel | 13:16 | ENG IN | Wi-Fi | Battery | 02-08-2025 | Bell

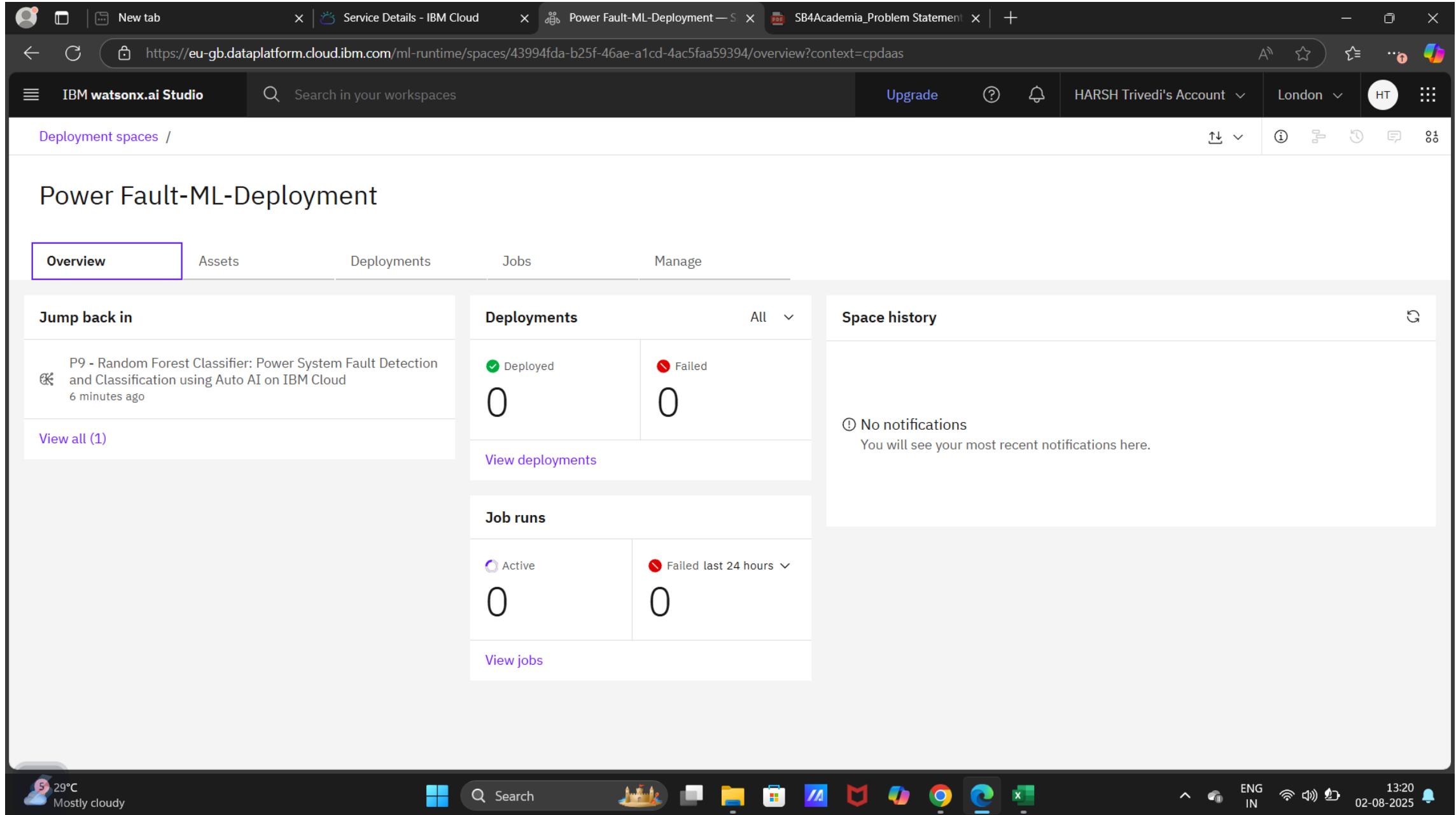
The screenshot shows the IBM Watsonx.ai Studio interface. The top navigation bar includes tabs for 'New tab', 'Service Details - IBM Cloud', 'Power Fault-ML-Deployment', and 'SB4Academia_Problem Statement'. The main header features the 'IBM watsonx.ai Studio' logo, a search bar, and account information for 'HARSH Trivedi's Account' and 'London'. Below the header, a breadcrumb path 'Deployment spaces /' is visible.

The main content area is titled 'Power Fault-ML-Deployment'. It has a navigation bar with tabs: 'Overview', 'Assets', 'Deployments', 'Jobs', and 'Manage', with 'Manage' being the active tab. On the left, a sidebar under 'Space' shows the 'General' tab selected, along with other options: 'Access control', 'Environments', and 'Resource usage'. The 'General' section displays the Space GUID (redacted), Date created (Aug 2, 2025, 1:12 PM by HARSH Trivedi (You)), Last updated (Aug 2, 2025, 1:12 PM), Stage (Not provided), Stage type (Pre-production), and Tags (No tags are set to this space).

To the right of the main content, there are two side panels. The top panel is titled 'Cloud Object Storage-uv' and contains a 'Bucket' section (redacted) with a 'Manage in IBM Cloud' button. The bottom panel is titled 'watsonx.ai Runtime service' and contains an 'Associate instance' button.

At the bottom of the screen, a taskbar shows icons for Cloud Pak for Data platform, Switch platform, and various system status indicators like battery level and network connection.

watsonx.ai Runtime service



Screenshot of the IBM Watsonx.ai Studio interface showing the deployment of a Random Forest Classifier model for power system fault detection.

The top navigation bar includes tabs for "New tab", "Service Details - IBM Cloud", "P9 - Random Forest Classifier: Pow", "SB4Academia_Problem Statement", and a "+" icon. The URL is https://eu-gb.dataplatform.cloud.ibm.com/ml-runtime/models/ad8c4cc0-0a7c-479f-a733-8e05ddd8b840?space_id=43994fda-b25f-46ae-a1cd-4ac5faa59394&context=cpdaas.

The main dashboard shows the "Deployments" section with a table header: Name, Type, Status, Tags, and Last modified. A purple button labeled "New deployment" is visible. Below the table, a message states: "This asset doesn't have any deployments yet. Use the New Deployment button to create a deployment for this asset." An illustration of a person holding a tablet with a plus sign on it is shown next to the text.

The right sidebar displays the "About this asset" details:

- Name:** P9 - Random Forest Classifier: Power System Fault Detection and Classification using Auto AI on IBM Cloud
- Description:** No description provided.
- Asset Details:** Type: wml-hybrid_0.1, Model ID: ad8c4cc0-0a7c-479f-a733-8e05ddd8b840, Software specification: hybrid_0.1, Hybrid pipeline software specifications: autoai-kb_rt24.1-py3.11
- Tags:** Add tags to make assets easier to find.
- Source asset details:** Last modified 7 minutes ago by HARSH Trivedi, Created on 02-08-2025.

At the bottom, there are navigation controls for items per page (20), total items (0-0 of 0 items), and page navigation (1 of 1 pages). The status bar at the bottom shows weather (29°C, mostly cloudy), system icons (Windows, search, file, browser, etc.), and the date/time (13:21, 02-08-2025).

New tab | Service Details - IBM Cloud | P9 - Random Forest Classifier: Po... | SB4Academia_Problem Statement | +

https://eu-gb.dataplatform.cloud.ibm.com/ml-runtime/models/ad8c4cc0-0a7c-479f-a733-8e05ddd8b840?space_id=43994fda-b25f-46ae-a1cd-4ac5faa59394&context=cpdaas

IBM watsonx.ai Studio | Search in your workspaces | Upgrade | HARSH Trivedi's Account | London | HT

P9 - Random Forest Classifier: Power System Fault Detection and Classification using Auto AI on IBM Cloud

Create a deployment

Associated asset
P9 - Random Forest Classifier: Power System Fault Detection and Classification using Auto AI on IBM Cloud

Deployment type

Online Run the model on data in real-time, as data is received by a web service.

Batch Run the model against data as a batch process.

Name

Serving name

Cancel Create

5 29°C Mostly cloudy | Search | ⚒️ | 📁 | 📱 | 🏛️ | 🎧 | 🌐 | 📈 | 📊 | ENG IN | 13:23 | 02-08-2025

New tab | Service Details - IBM Cloud | P9 - Random Forest Classifier: Po... | SB4Academia_Problem Statement | +

https://eu-gb.dataplatform.cloud.ibm.com/ml-runtime/models/ad8c4cc0-0a7c-479f-a733-8e05ddd8b840/deployments?space_id=43994fda-b25f-46ae-a1cd-4ac5faa59394&context=cpd...

IBM watsonx.ai Studio | Search in your workspaces | Upgrade | HARSH Trivedi's Account | London | HT

... / P9 - Random Forest Classifier: Power System Fault Detection and Classification using Auto AI on IBM Cloud

Deployments Model details

New deployment

Name	Type	Status	Tags	Last modified
Power Fault-Classifier-Deployment	Online	✓ Deployed	Add tags +	21 seconds ago HARSH Trivedi (You)

Items per page: 20 | 1–1 of 1 items | 1 of 1 pages

About this asset

Name: P9 - Random Forest Classifier: Power System Fault Detection and Classification using Auto AI on IBM Cloud

Description: No description provided.

Asset Details

Type: wml-hybrid_0.1
Model ID: ad8c4cc0-0a7c-479f-a733-8e05ddd8b840
Software specification: hybrid_0.1
Hybrid pipeline software specifications: autoai-kb_rt24.1-py3.11

Tags

Add tags to make assets easier to find.

Source asset details

Last modified: 10 minutes ago by HARSH Trivedi

Created on: 02-08-2025

29°C Mostly cloudy | Search | ⌂ | 🏰 | 📁 | 📱 | 🎧 | 🚙 | 📈 | 📊 | 13:24 | 02-08-2025

Screenshot of the IBM Watsonx.ai Studio interface showing a deployed ML model for Power Fault Classification.

The top navigation bar includes tabs for "New tab", "IBM Cloud", "Power Fault-Classifier-Deployment", "SB4Academia_Problem Statement", and a "+" button. The URL is https://eu-gb.dataplatform.cloud.ibm.com/ml-runtime/deployments/9225ef3a-2c21-4b82-b53b-279587fedf71/test?space_id=43994fda-b25f-46ae-a1cd-4ac5faa59394&context=cpdaas....

The main header shows "IBM watsonx.ai Studio", a search bar, "Upgrade", a notification bell with 1 message, "HARSH Trivedi's Account", "London", and a "HT" button.

The page title is "Deployment spaces / Power Fault-ML-Deployment / P9 - Random Forest Classifier: Power System Fault Detection and Classification using Auto AI on IBM Cloud".

The main content area displays the "Power Fault-Classifier-Deployment" status as "Deployed" and "Online".

The "Test" tab is selected under "API reference".

The "Enter input data" section allows entering data via "Text" or "JSON". A note says: "Enter data manually or use a CSV file to populate the spreadsheet. Max file size is 50 MB." Below this are buttons for "Download CSV template", "Browse local files", "Search in space", and "Clear all".

A data grid table shows 10 rows of fault data:

	Fault ID (other)	Fault Location (Latitude, Longitude) (other)	Voltage (V) (double)	Current (A) (double)	Power Load (MW) (double)	Temperature (°C) (double)	Wind Speed (km/h) (double)
1	F001	(34.0522, -118.2437)	2200	250	50	25	20
2	F002	(34.056, -118.245)	1800	180	45	28	15
3	F011	(34.3732, -118.1586)	2118	221	45	20	20
4	F019	(34.5459, -118.8822)	1943	245	50	30	15
5	F030	(34.8762, -118.3086)	2206	242	49	27	26

Below the table, it says "10 rows, 12 columns". A "Predict" button is located at the bottom right of the data entry area.

The bottom navigation bar includes icons for search, file, browser, and other applications, along with system status indicators like weather (29°C, mostly cloudy), battery level, and system time (14:41, 02-08-2025).

IBM Watson AI Studio

Search in your workspaces

Upgrade ? 1 HARSH Trivedi's Account London HT

Deployment spaces / Power Fault-ML-Deployment / P9 - Random Forest Classifier: Power System Fault Detection and Classification using Auto AI on IBM Cloud /

Prediction results Close X

Display format for prediction results

Table view JSON view Show input data ⓘ

	prediction	probability
1	Line Breakage	[0.3903001601394518, 0.2418251292774404, 0.36787471058310767]
2	Transformer Failure	[0.305630902371415, 0.3409365463246582, 0.3534325513039267]
3	Transformer Failure	[0.27086817243604117, 0.362669706677639, 0.3664621208863196]
4	Transformer Failure	[0.2833338661095872, 0.2501283677194385, 0.46653776617097414]
5	Line Breakage	[0.366825629932498, 0.2973375841016953, 0.3358367859658068]
6	Transformer Failure	[0.3054421798070583, 0.14931087547756772, 0.5452469447153739]
7	Line Breakage	[0.466726012148046, 0.2124359594661734, 0.3208380283857804]
8	Line Breakage	[0.4359431419259573, 0.24026279345117812, 0.32379406462286436]
9	Transformer Failure	[0.3335072081366811, 0.27310056721700593, 0.3933922246463129]
10	Transformer Failure	[0.21070641567005566, 0.36825909100128995, 0.4210344933286543]
11		

Download JSON file

5 29°C Mostly cloudy

Search

14:42 02-08-2025