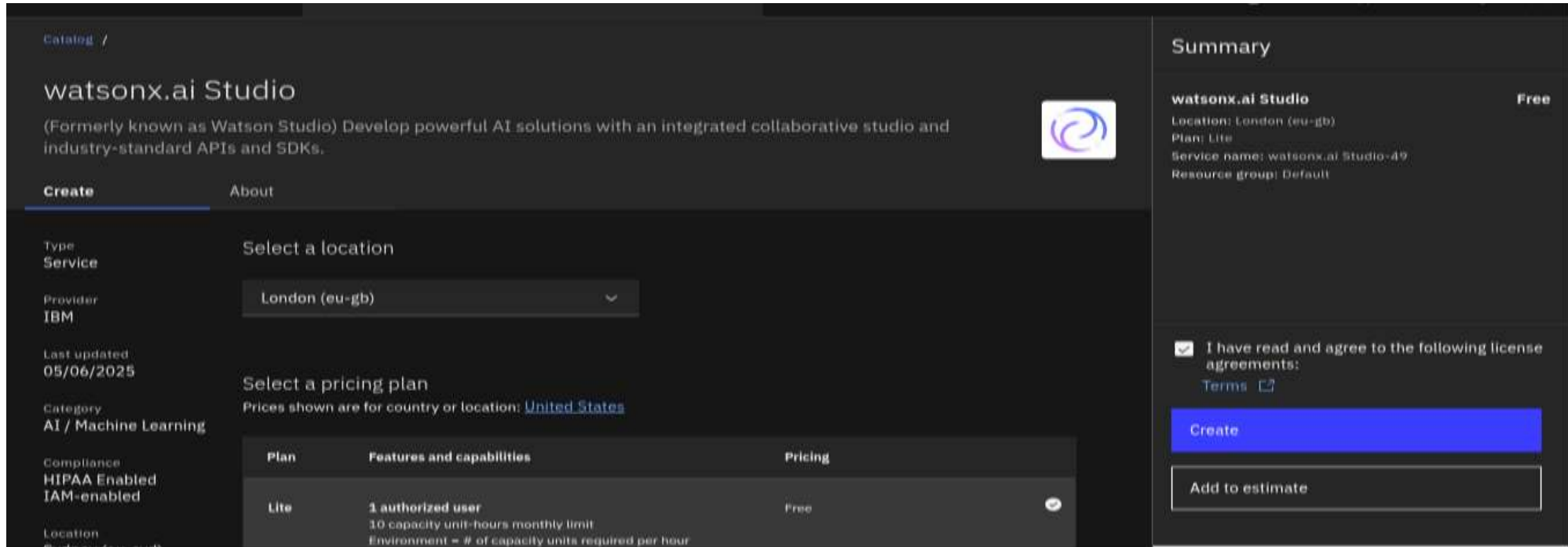


STEPS TO CREATE PREDICTIVE MAINTAINANCE PROJECT USING ML

First step:- Search watsonx.ai studio



watsonx.ai Studio
(Formerly known as Watson Studio) Develop powerful AI solutions with an integrated collaborative studio and industry-standard APIs and SDKs.

Create About

Type: Service

Provider: IBM

Last updated: 05/06/2025

Category: AI / Machine Learning

Compliance: HIPAA Enabled, IAM-enabled

Location: London (eu-gb)

Select a location

London (eu-gb)

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	Free

Summary

watsonx.ai Studio **Free**

Location: London (eu-gb)
Plan: Lite
Service name: watsonx.ai Studio-49
Resource group: Default

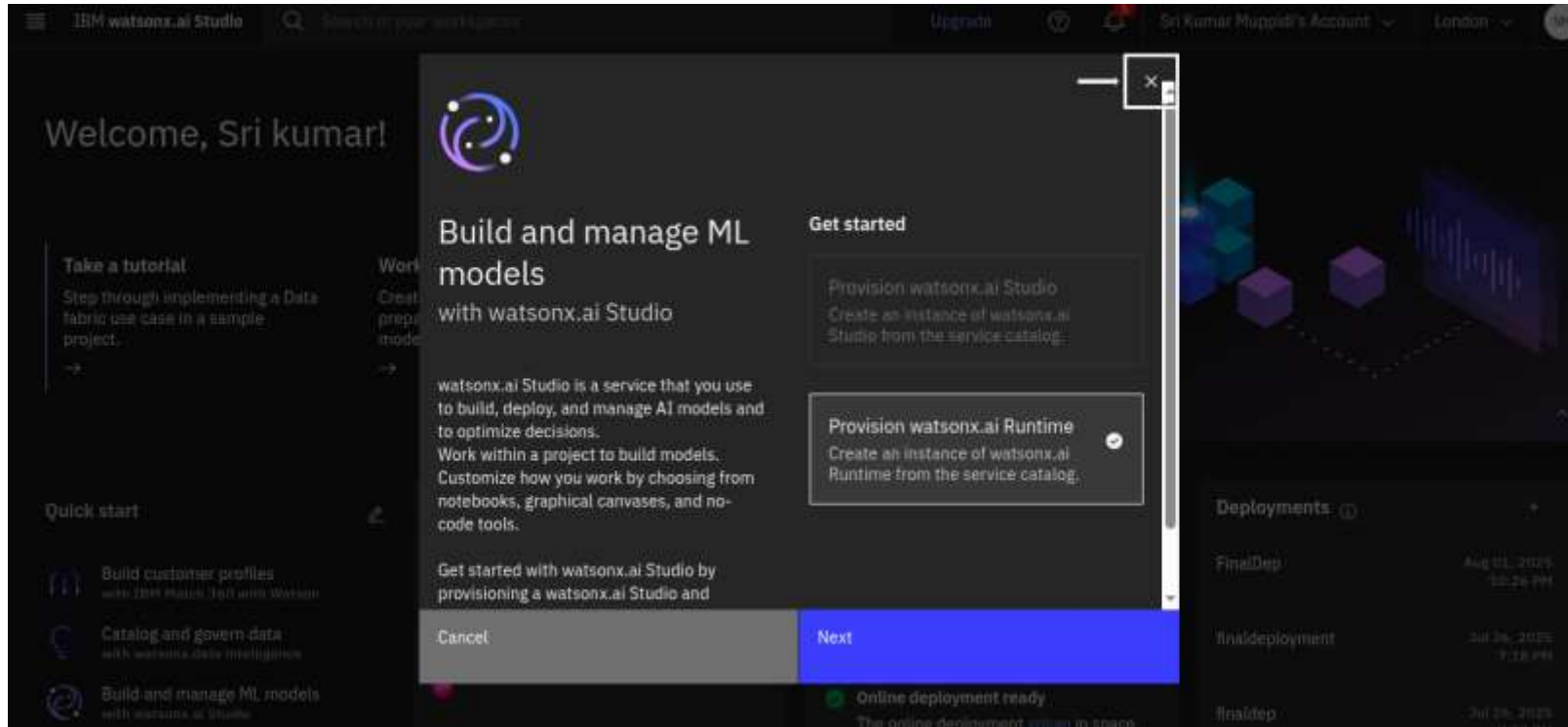
☒ I have read and agree to the following license agreements:
[Terms](#)

Create

Add to estimate

- Set location london and create studio

Step 2 :-



- Click on next here

Step 3:-

watsonx.ai Runtime

Author: IBM • Date of last update: Aug 5, 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	Free

Summary

watsonx.ai Runtime

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

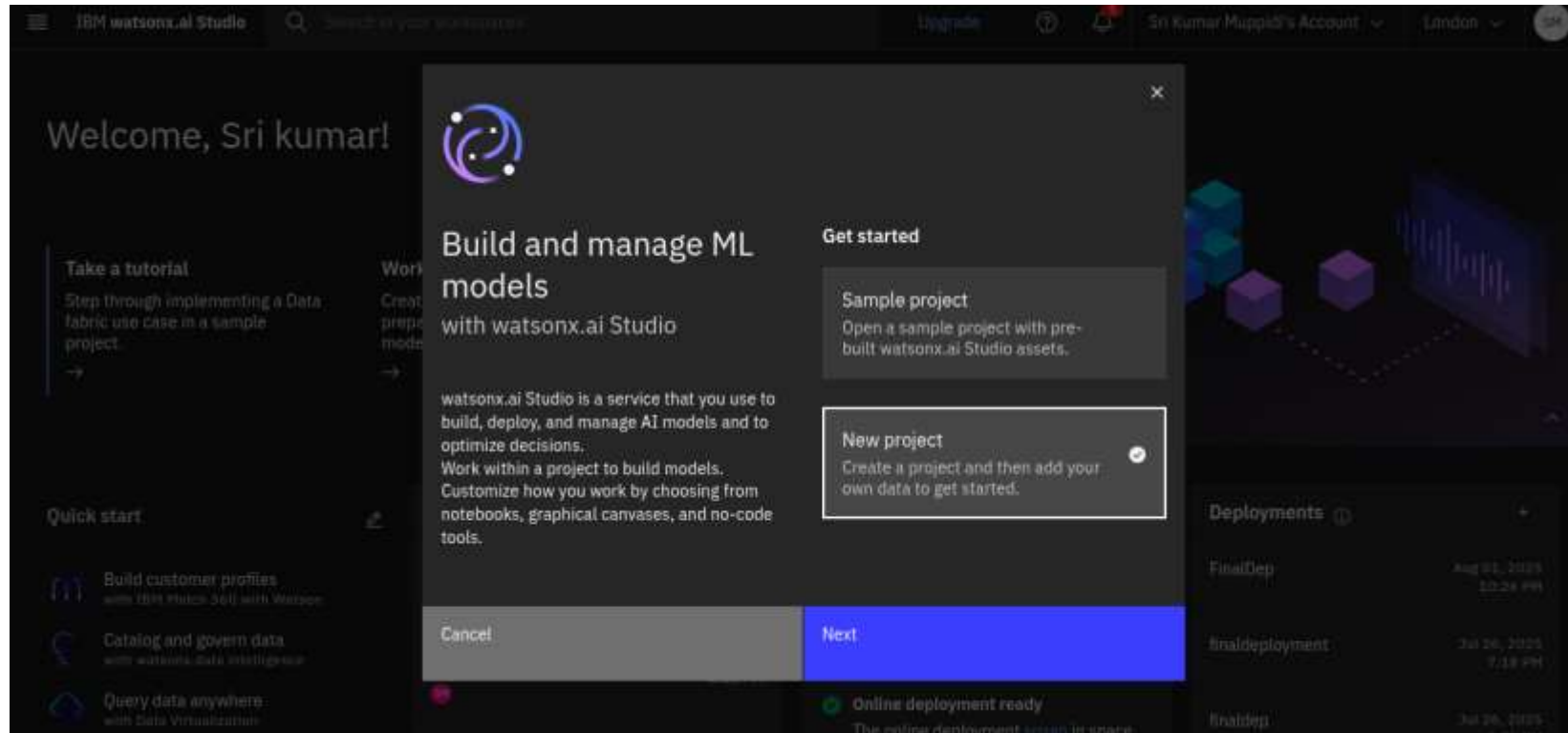
Create

[View terms](#)

[Cancel](#)

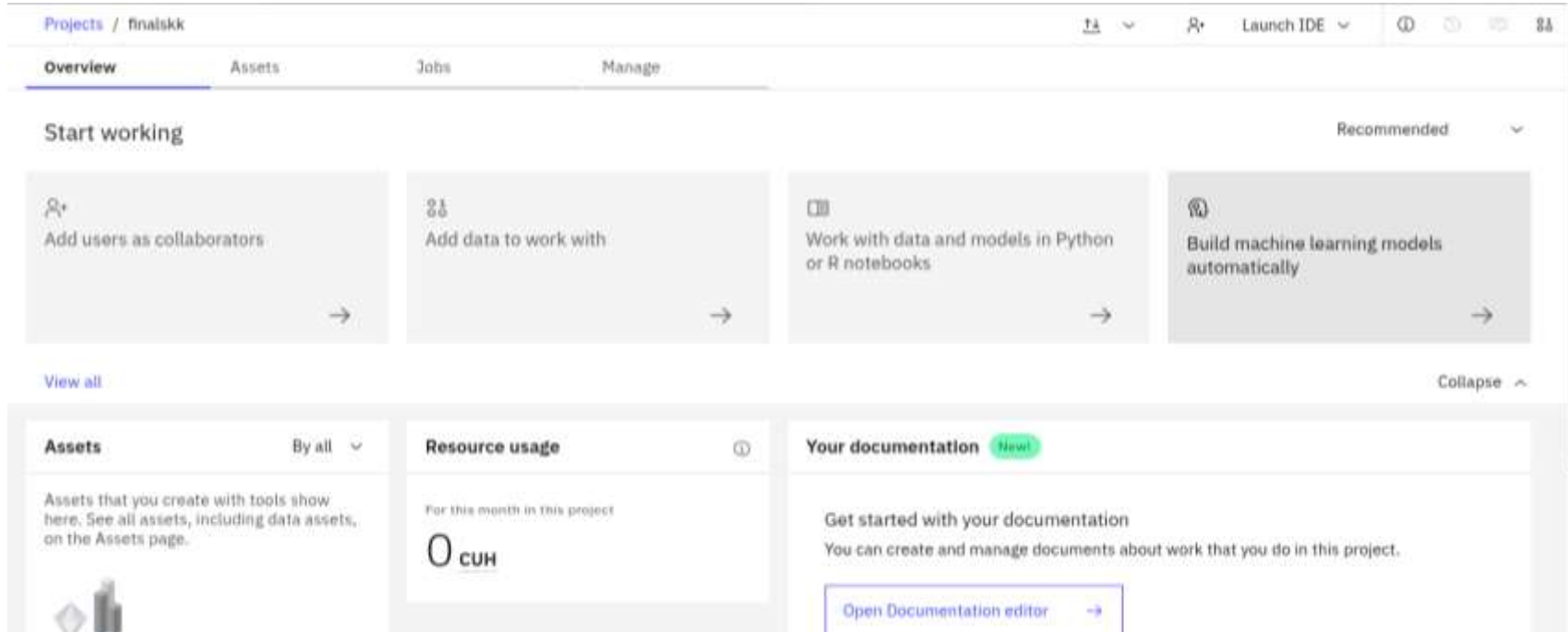
- Create watsonx.ai runtime

Step 4:-



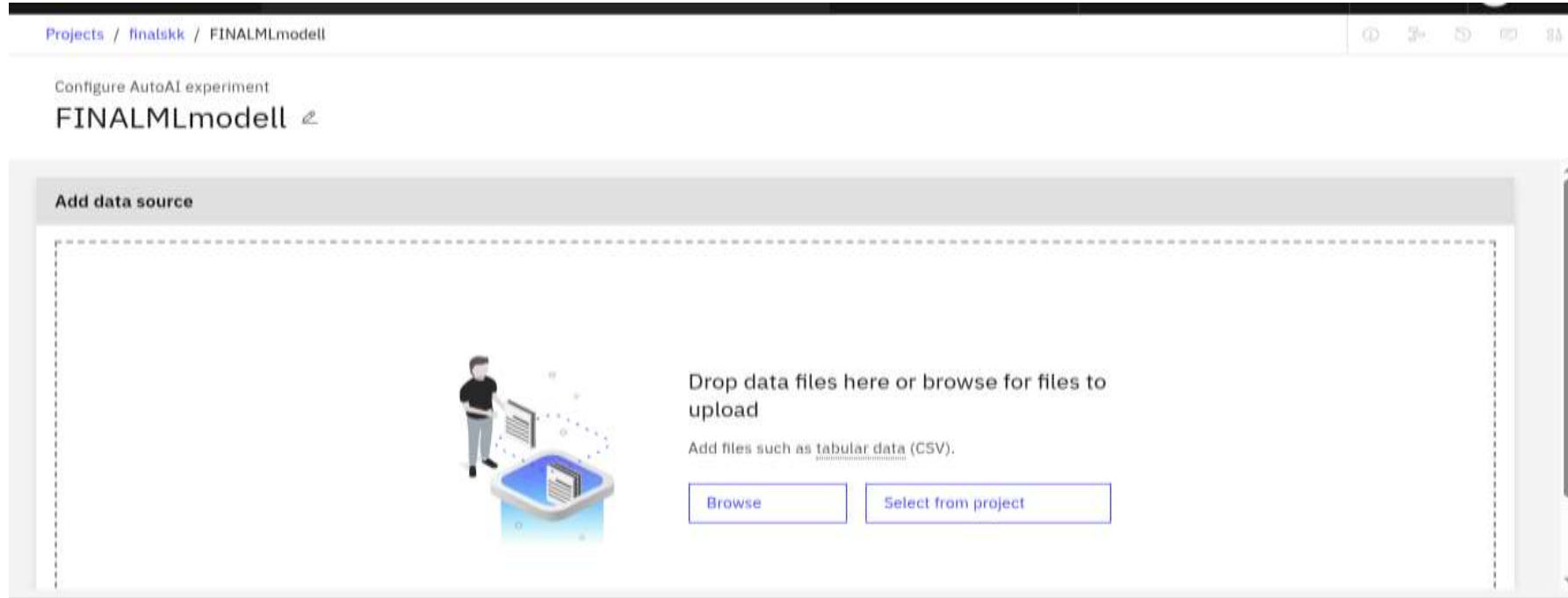
- Create a new project and click on next

Step 5:-



- Click on manage and go to service & integrations and Associate service as watsonx.ai runtime

Step 6:-



- Select browse and click on file to be selected

Step 7:-

Projects / finalskk / FINALMLmodell


Configure AutoAI experiment

FINALMLmodell


Autosaved: 21:26:16

Add files such as tabular data (CSV).

[Browse](#) [Select from project](#)

 **predictive_maintenance.csv**
Size: 918.97 KB Columns: 10

☐ 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?

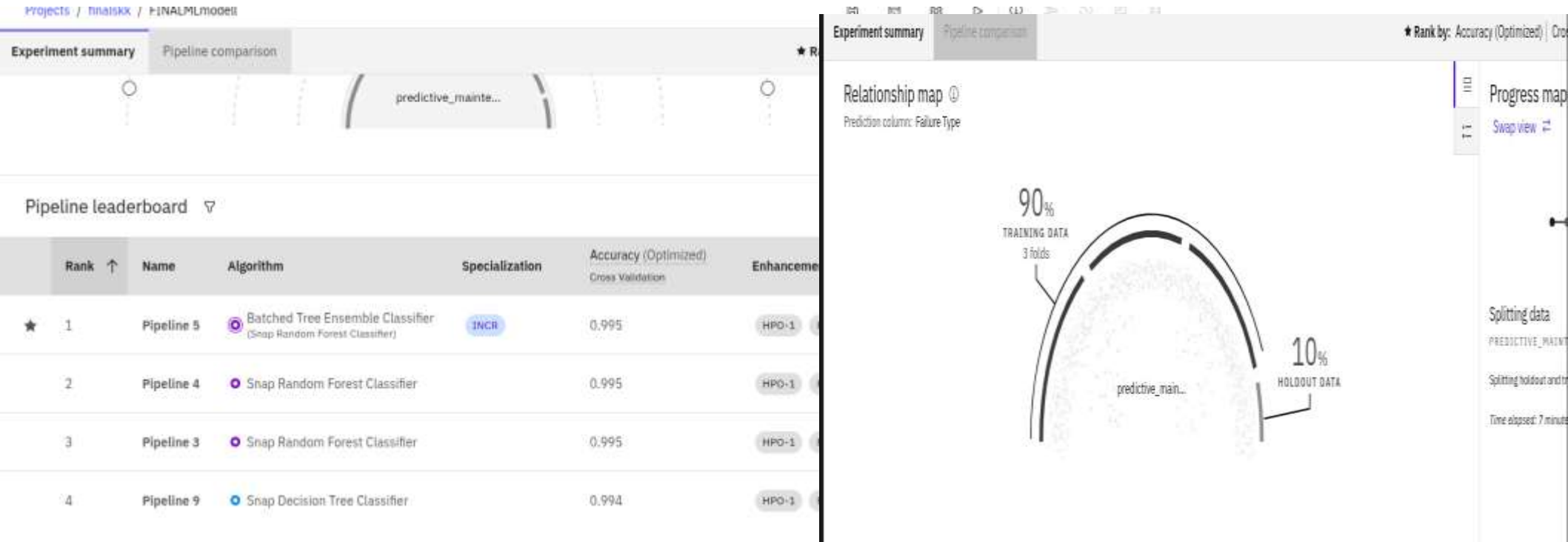
Prediction column ①

Select prediction column

INT	Rotational speed (rpm)
DEC	Torque [Nm]
INT	Tool wear [min]
INT	Target
STR	Failure Type

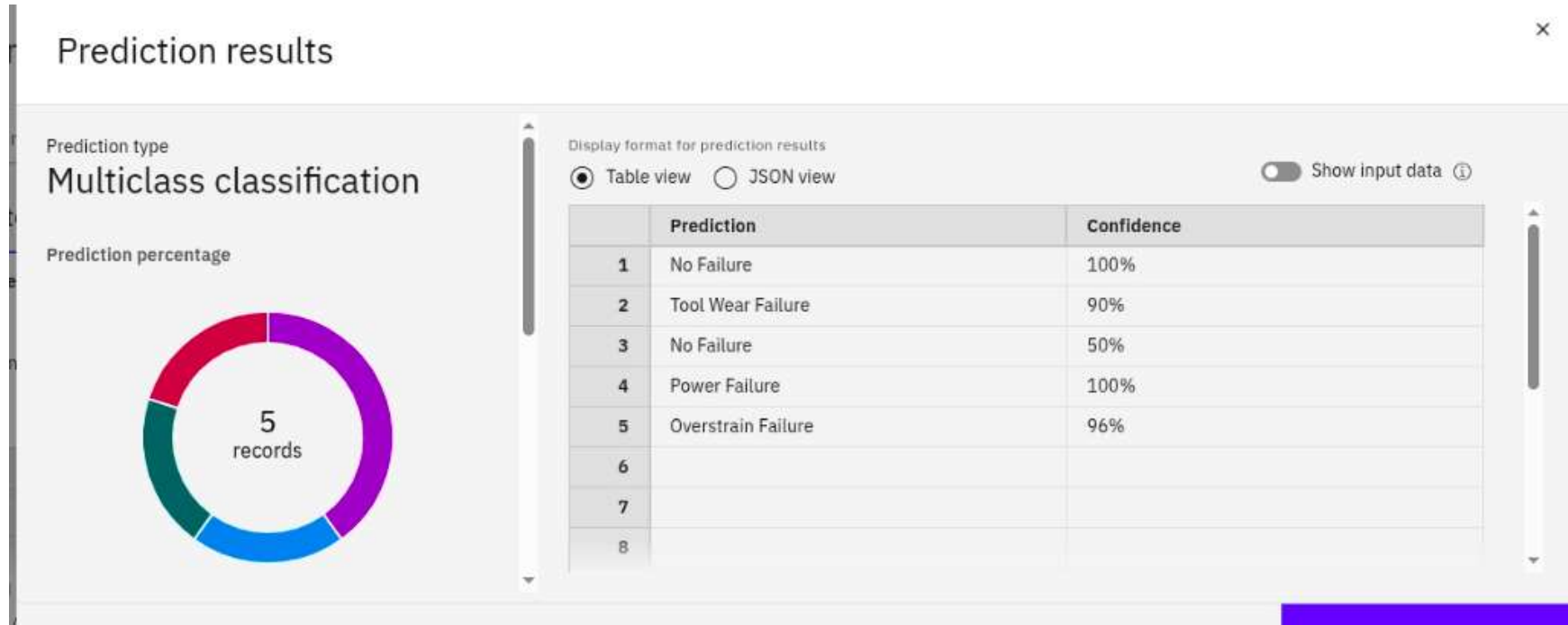
- Select failure type and proceed

Step 8:-



- Save the random forest classifier and deploy the project with a name

Step 9:-



- Final prediction result of project