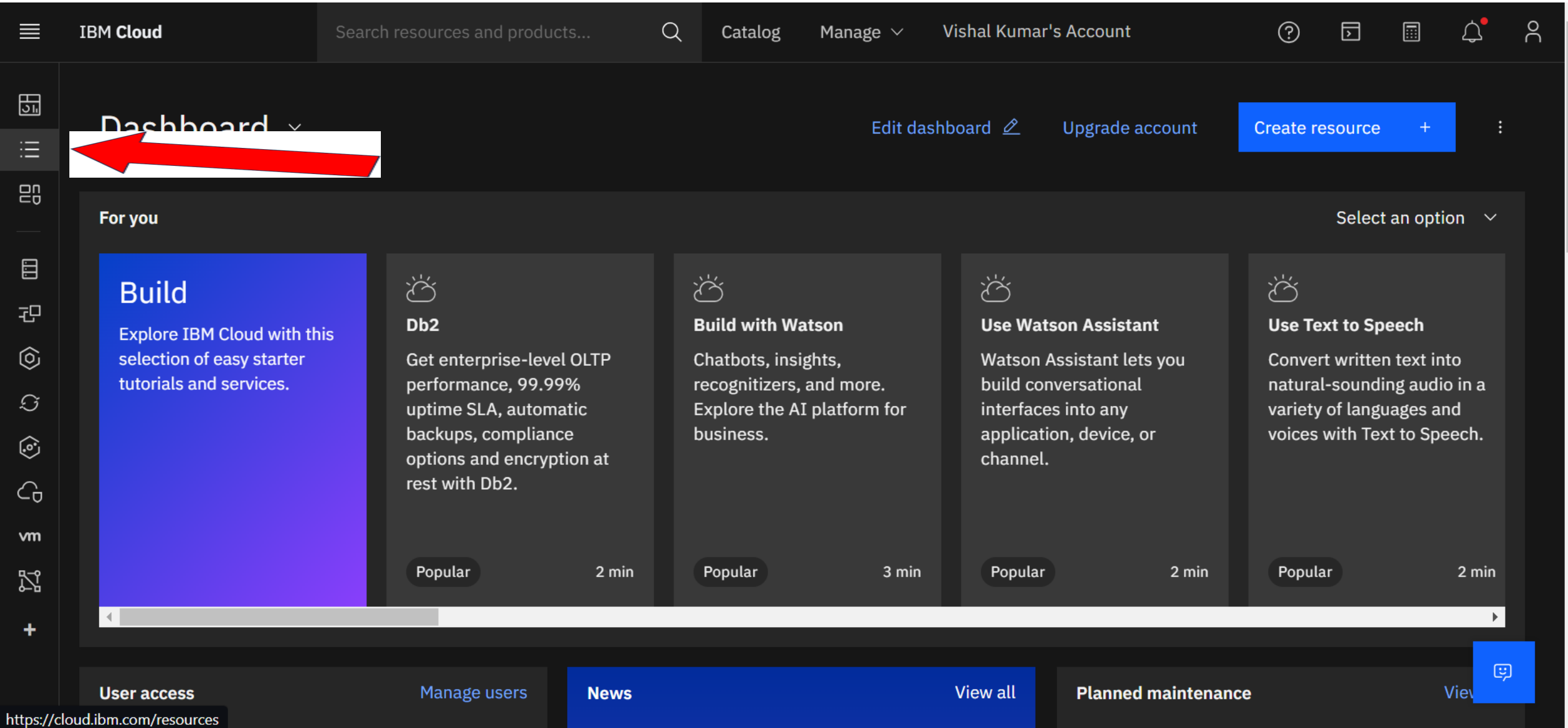
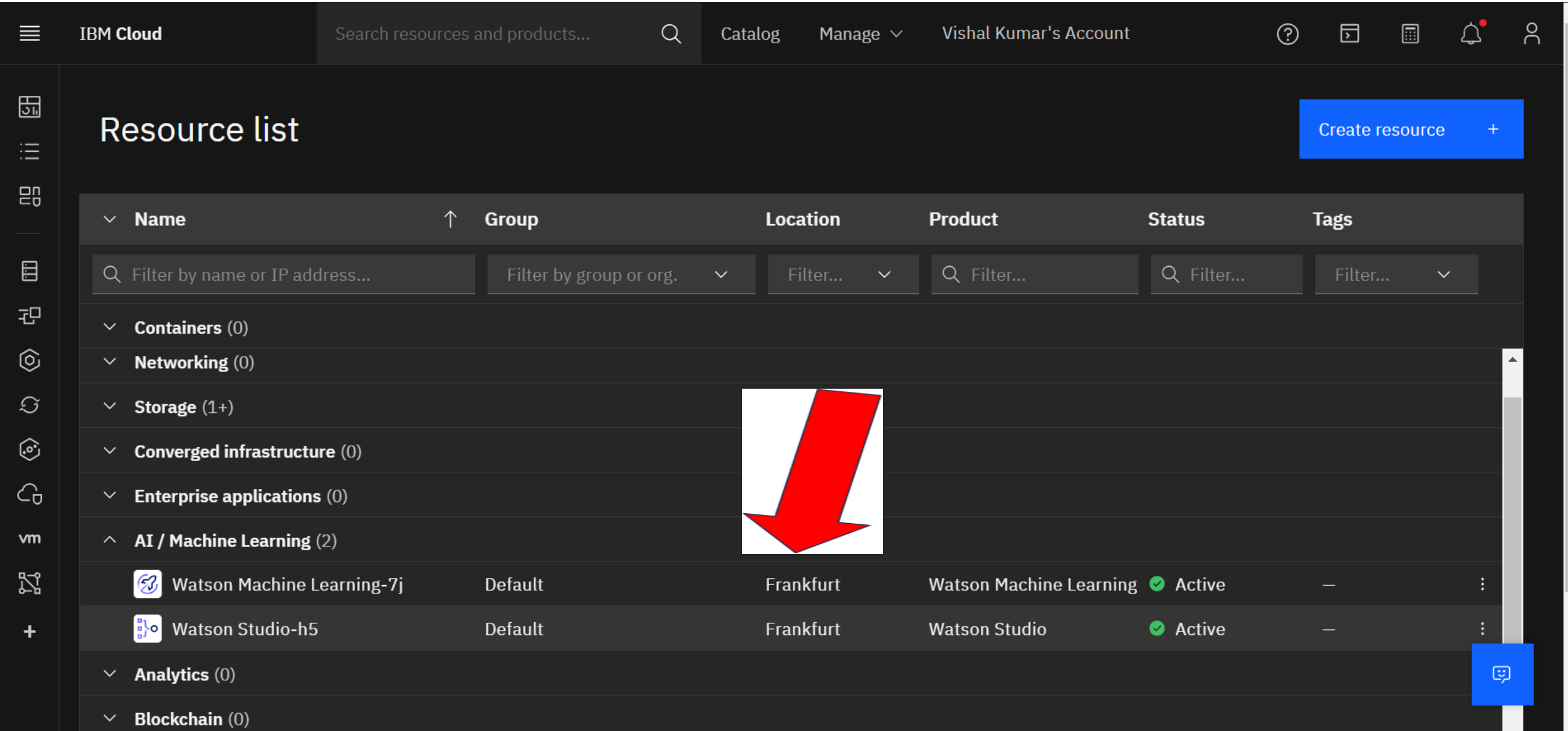
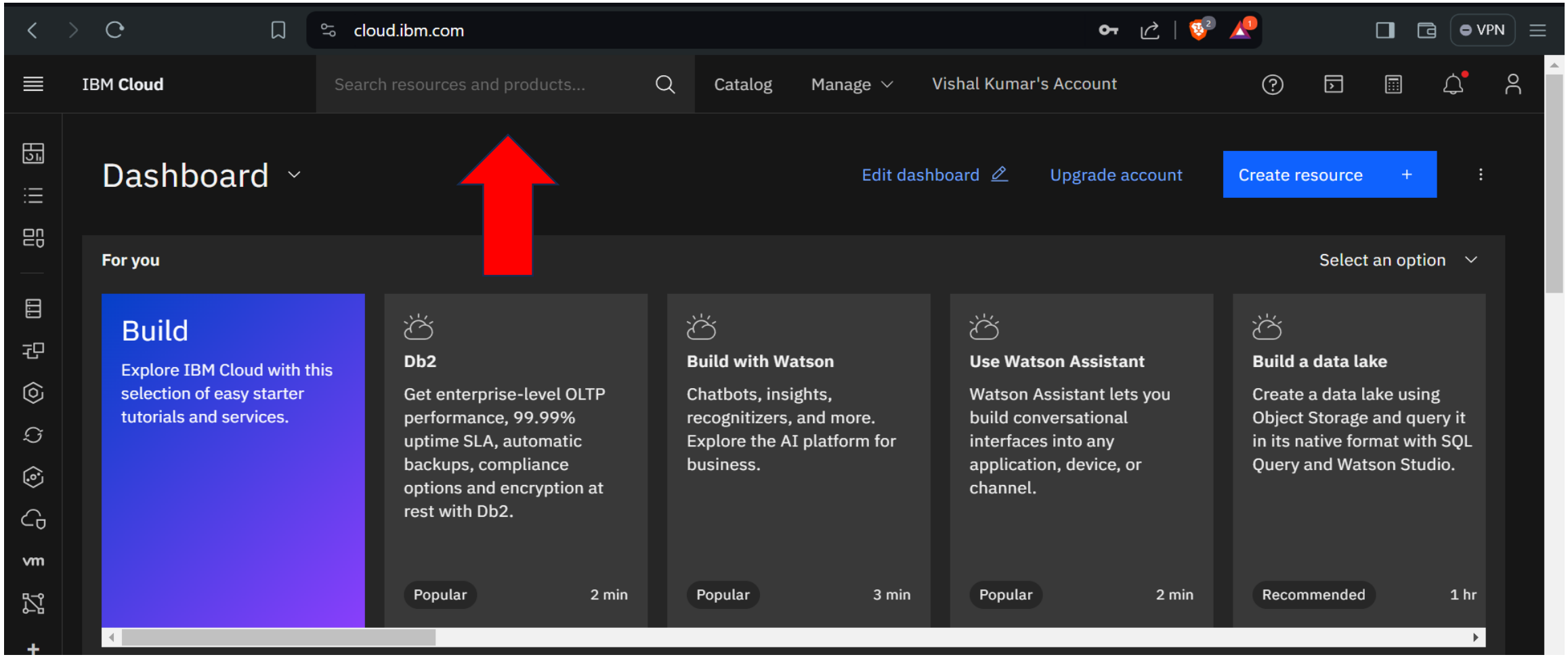
Open the IBM Cloud Dashboard and Go to the Resource list and click on it



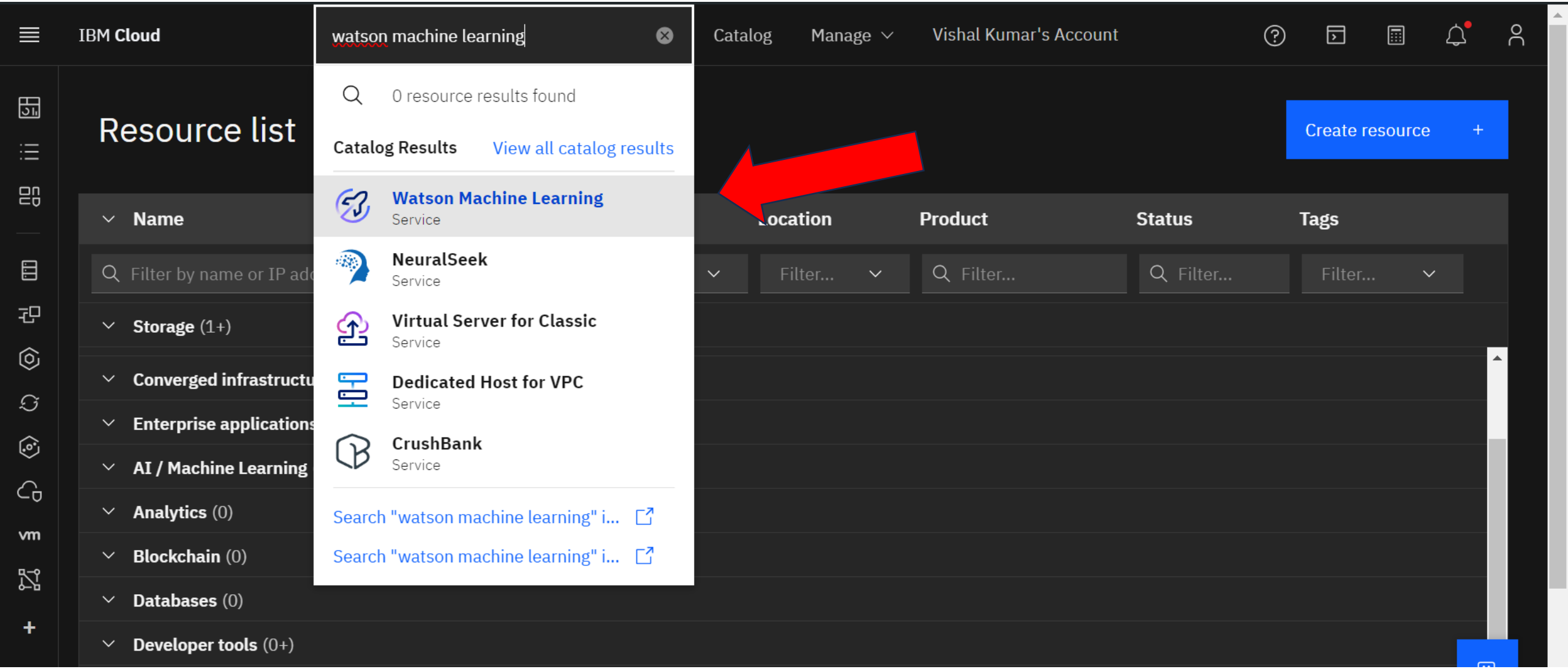
Then go to AI/Machine Learning,there you can see the location in front of Watson Studio. Write it on the Notepad



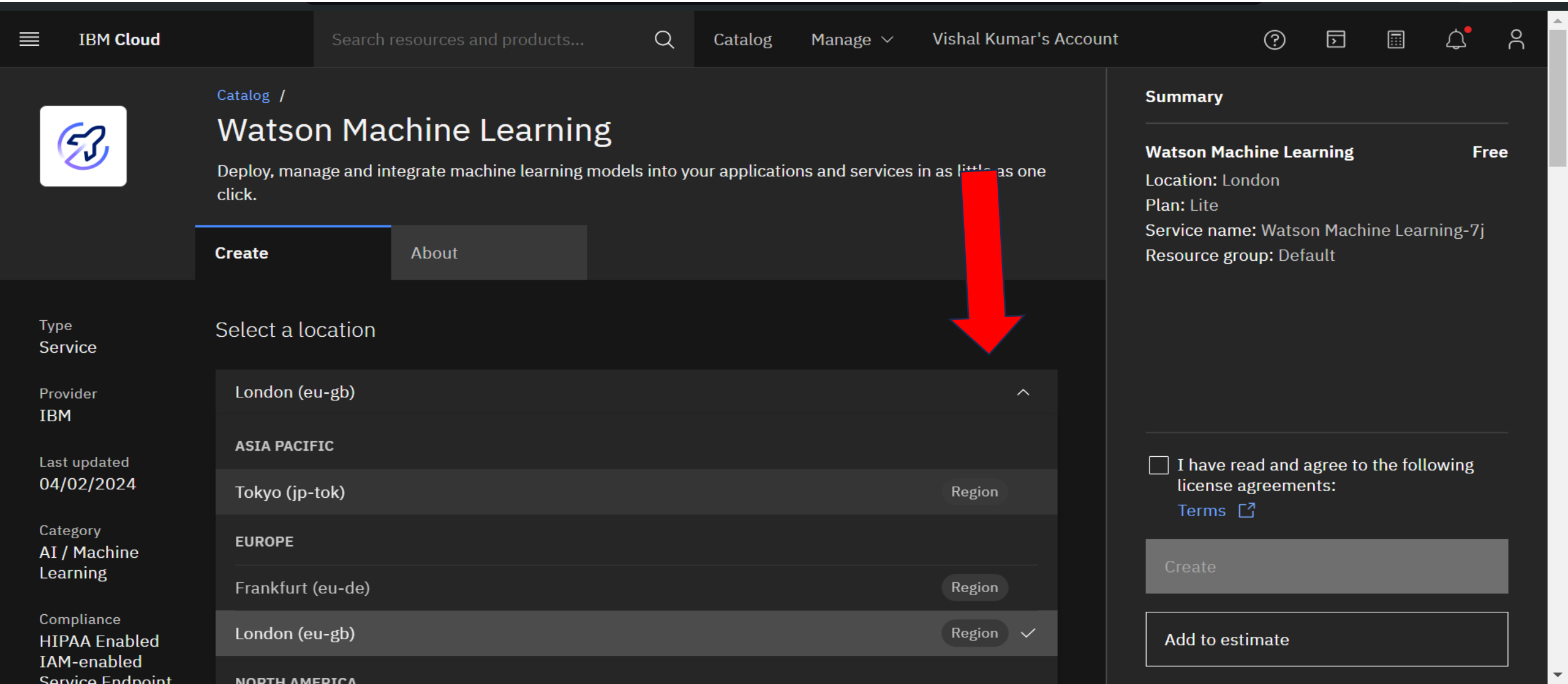
Step 1 :- click on the search bar and search Watson Machine Learning



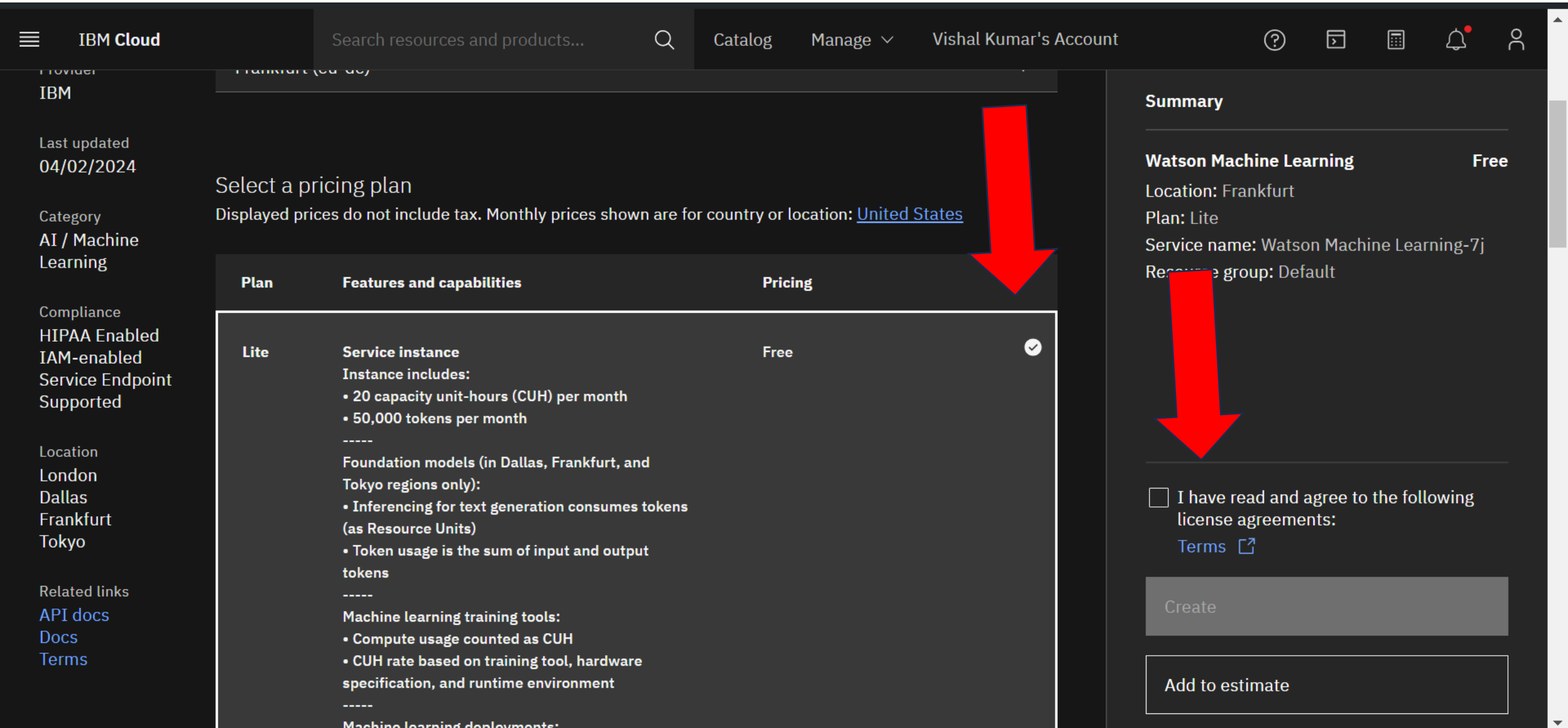
Step 2 :- Click on Watson machine learning service



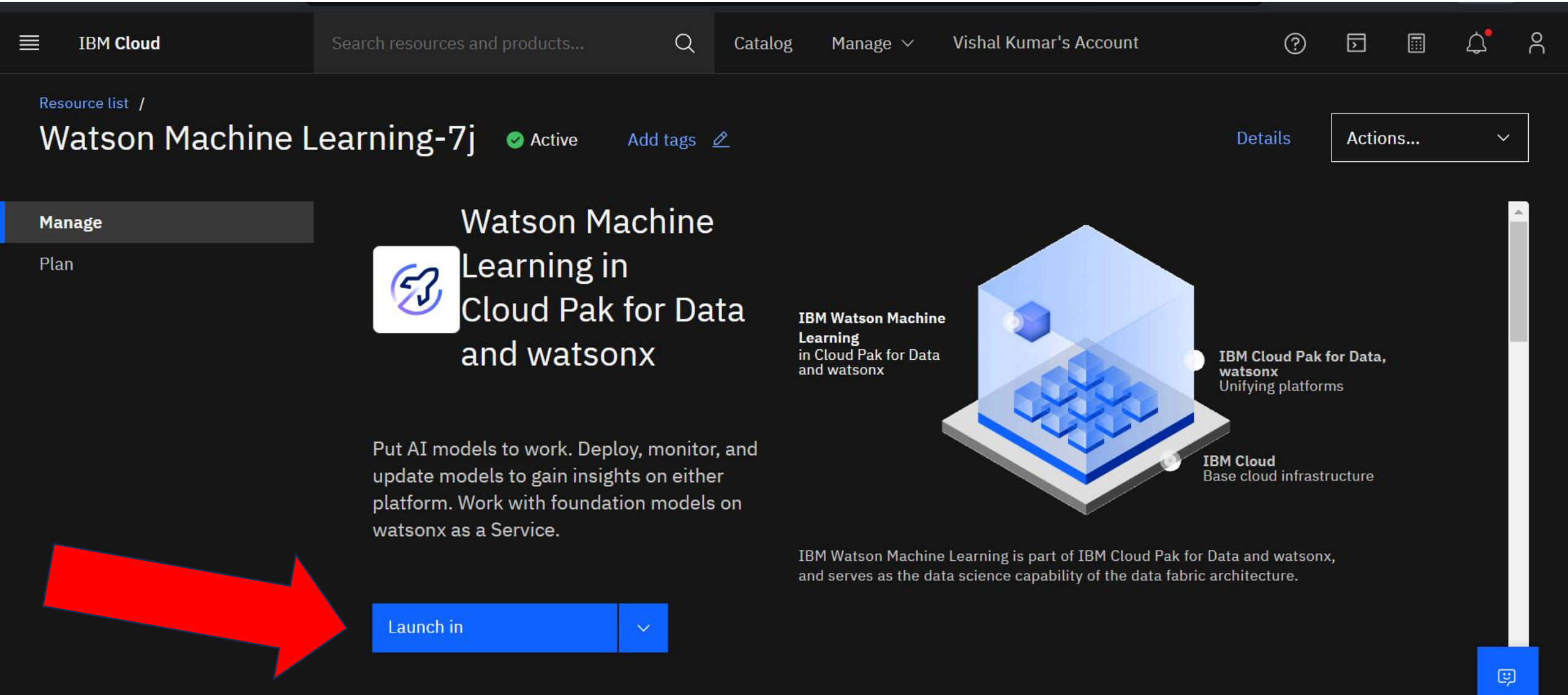
Step 3 :- You have to select the same location which you have selected in Watson Studio. If you have selected Frankfurt in Watson Studio then you have to select the same here or if you have selected London then you have to select London here.



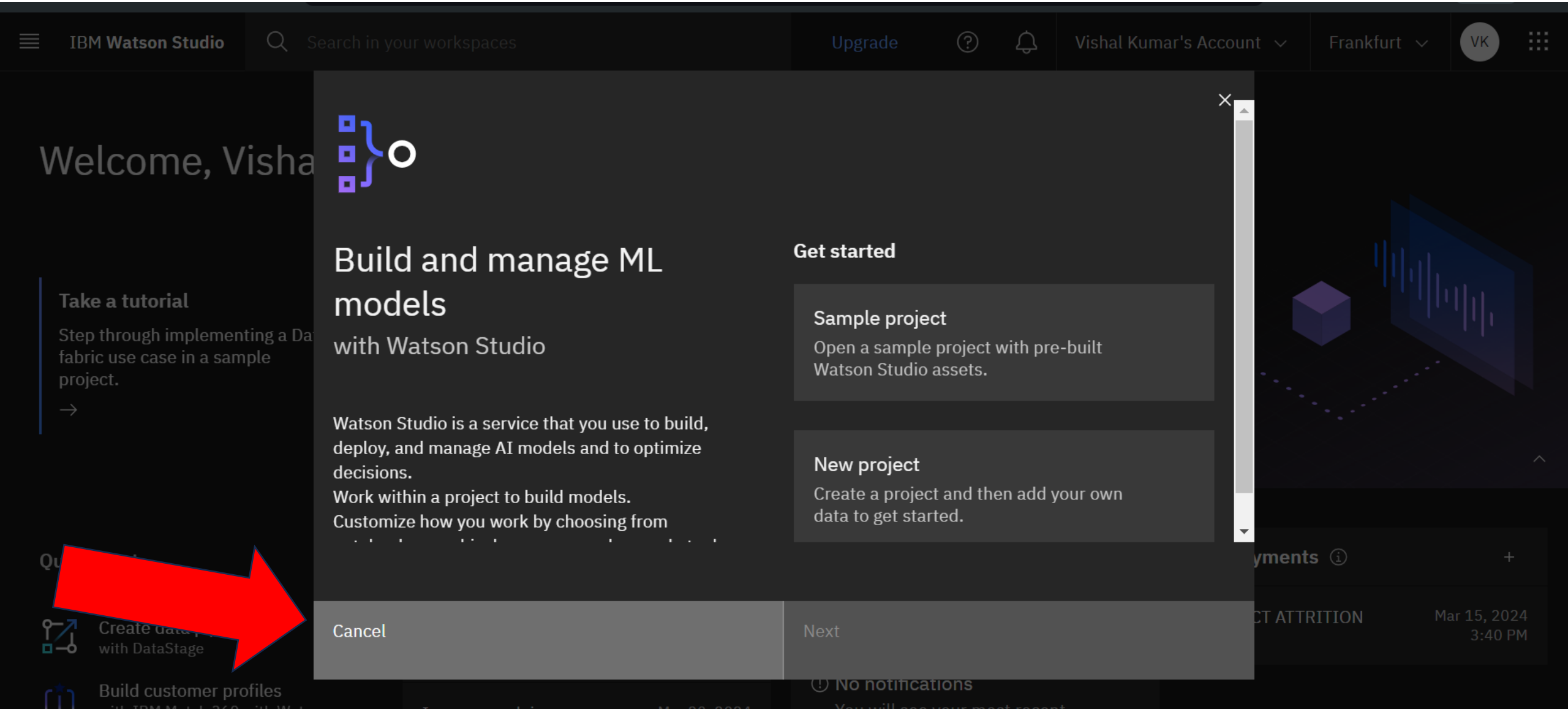
Step 4:- select free version and then click the box of terms and conditions and then create



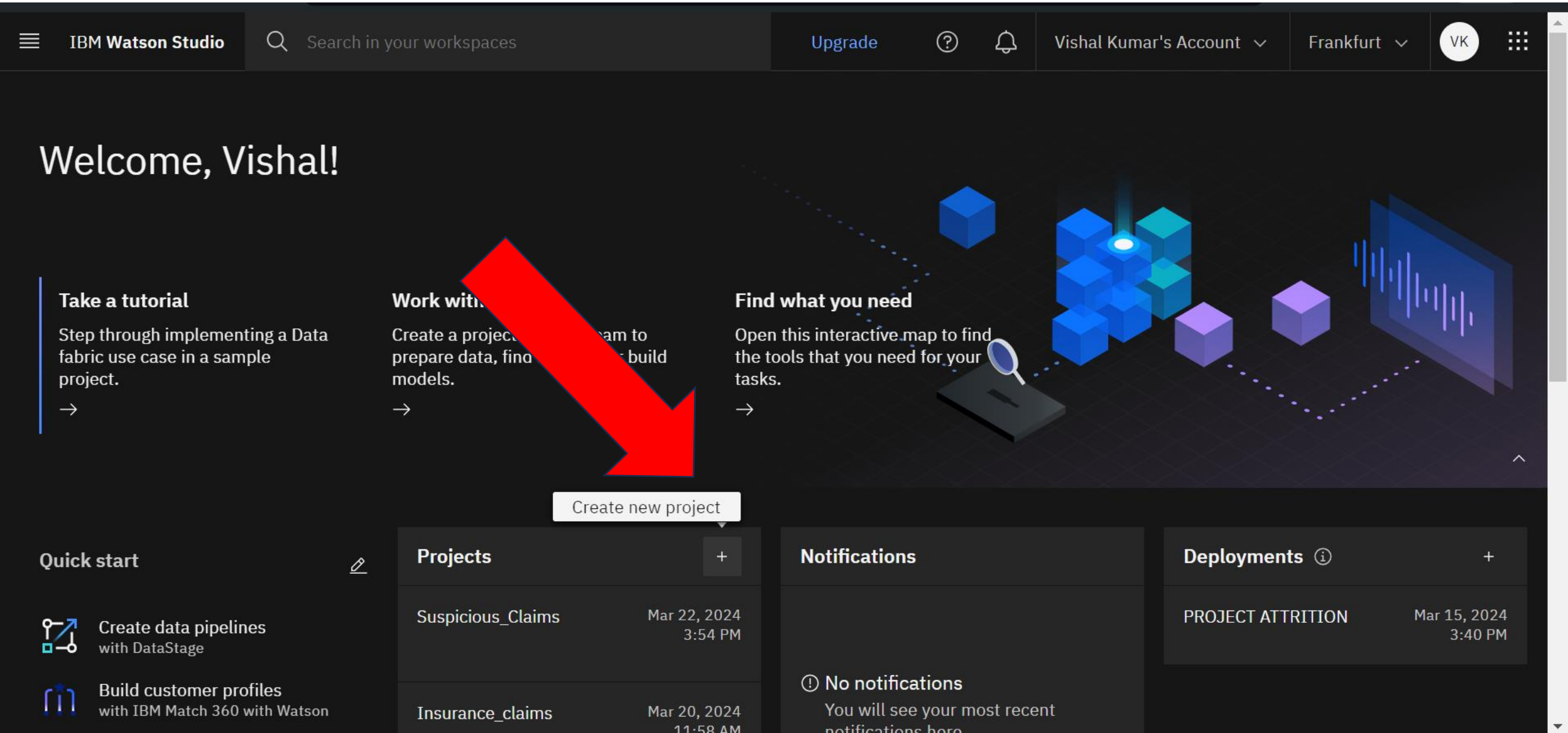
Step 5:- click Launch in



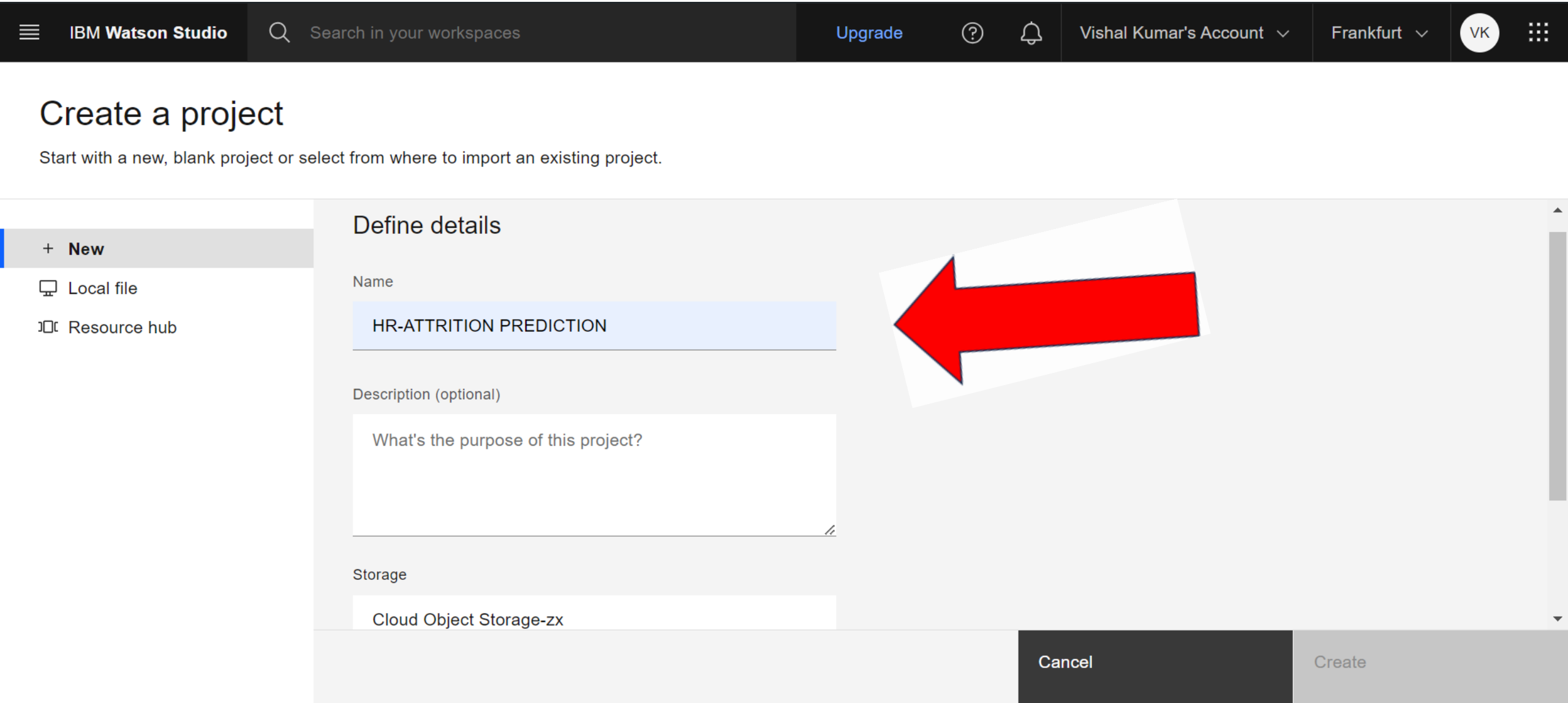
Step 6:- click on Cancel when it ask for Build and Manage Models



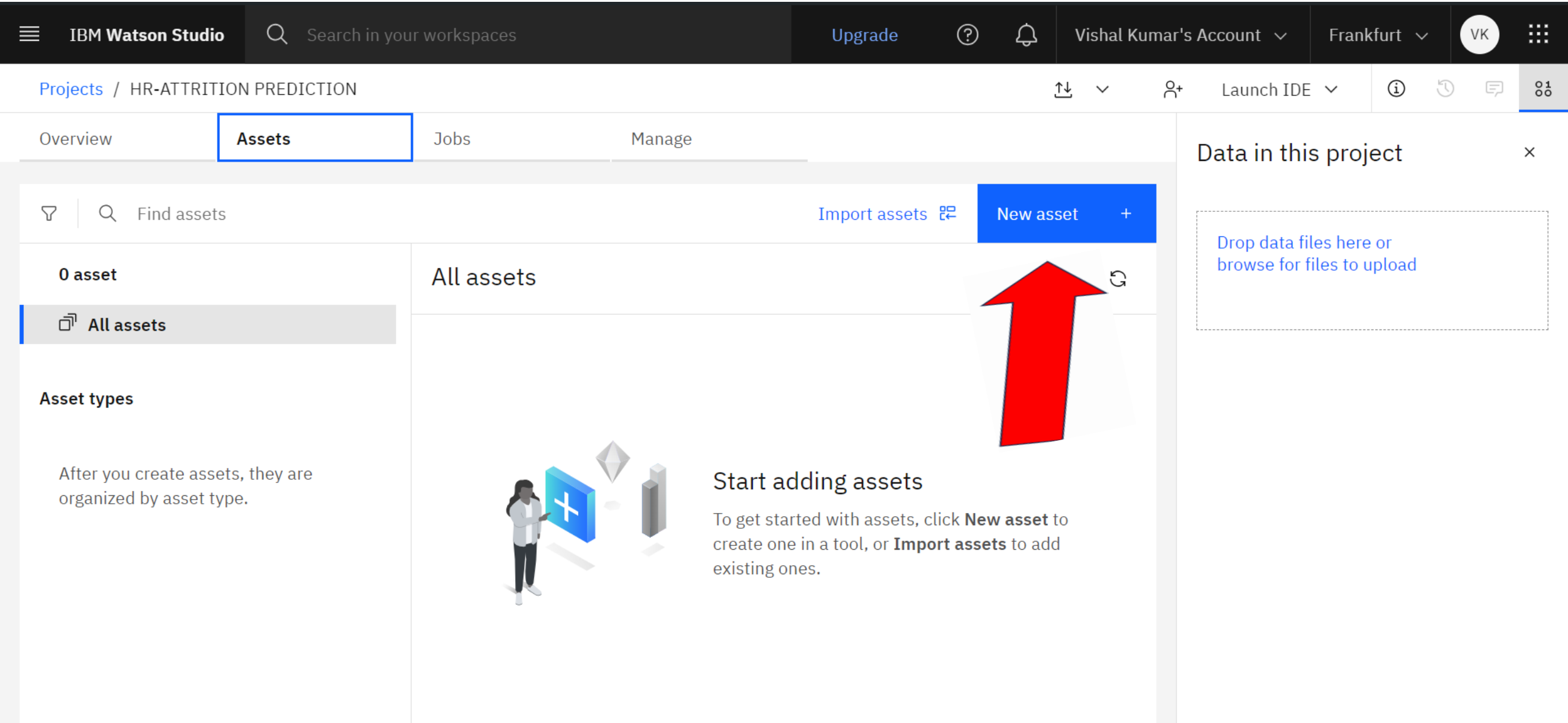
Step 7:- Click on Plus sign in projects to create a new project



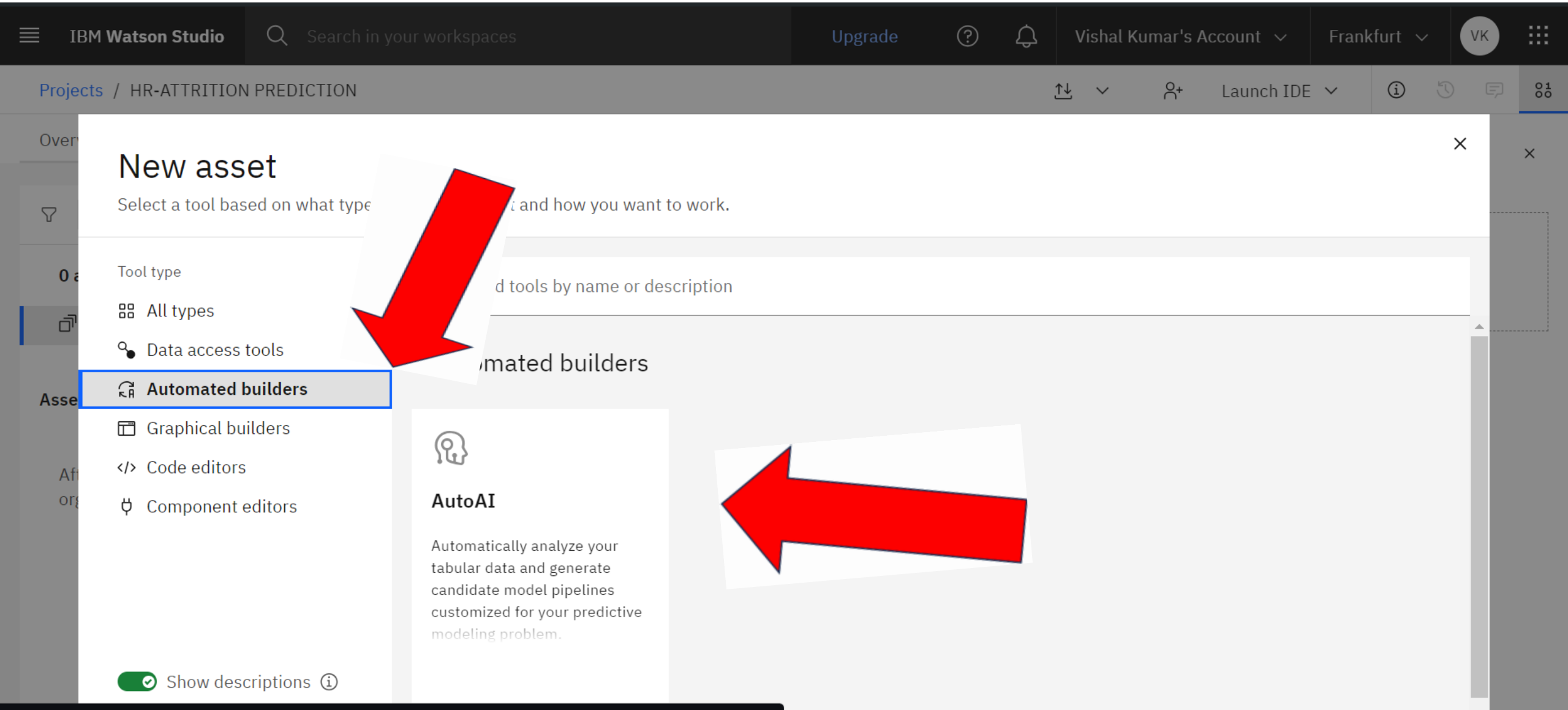
Step 8 :- give name to the project and then click on create



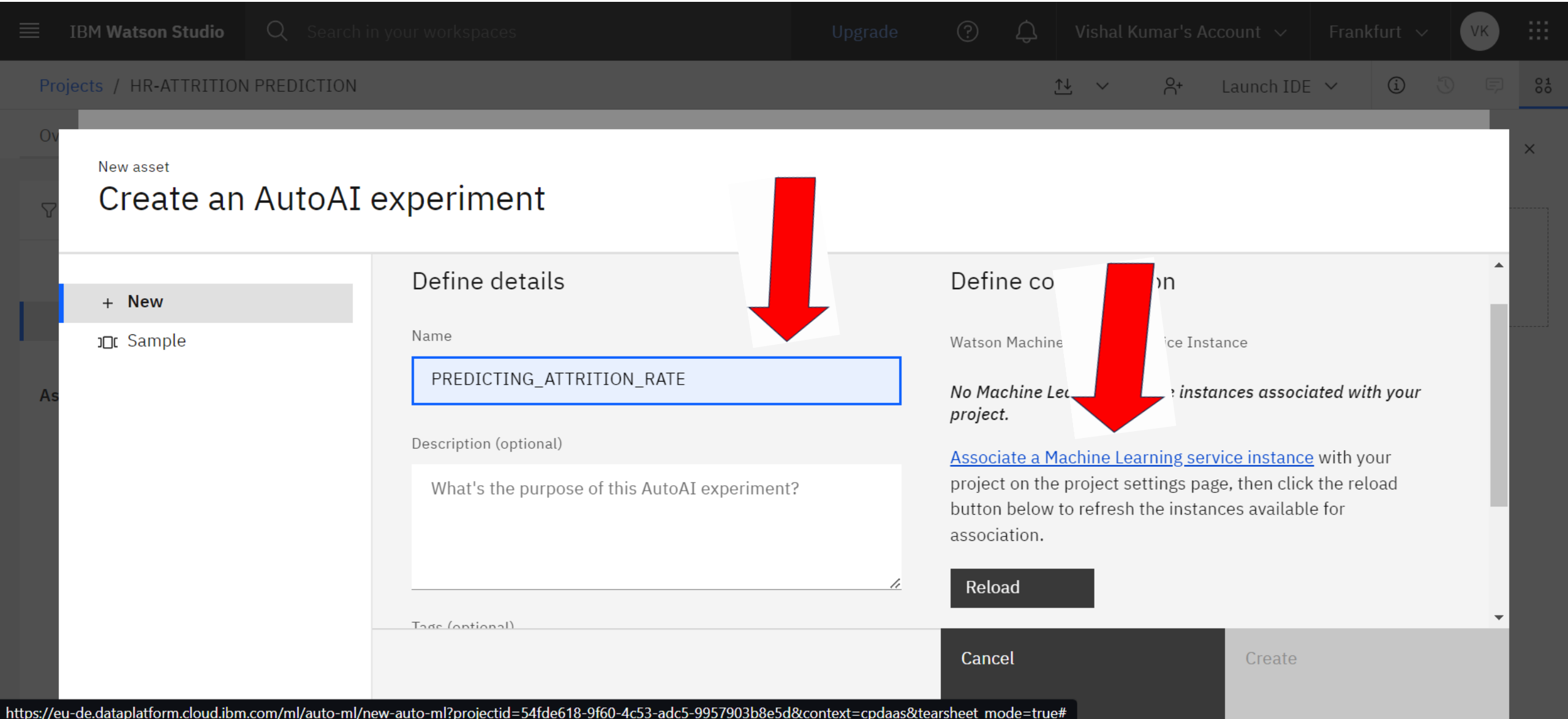
Step 9:- Go to Assets and click on New Asset



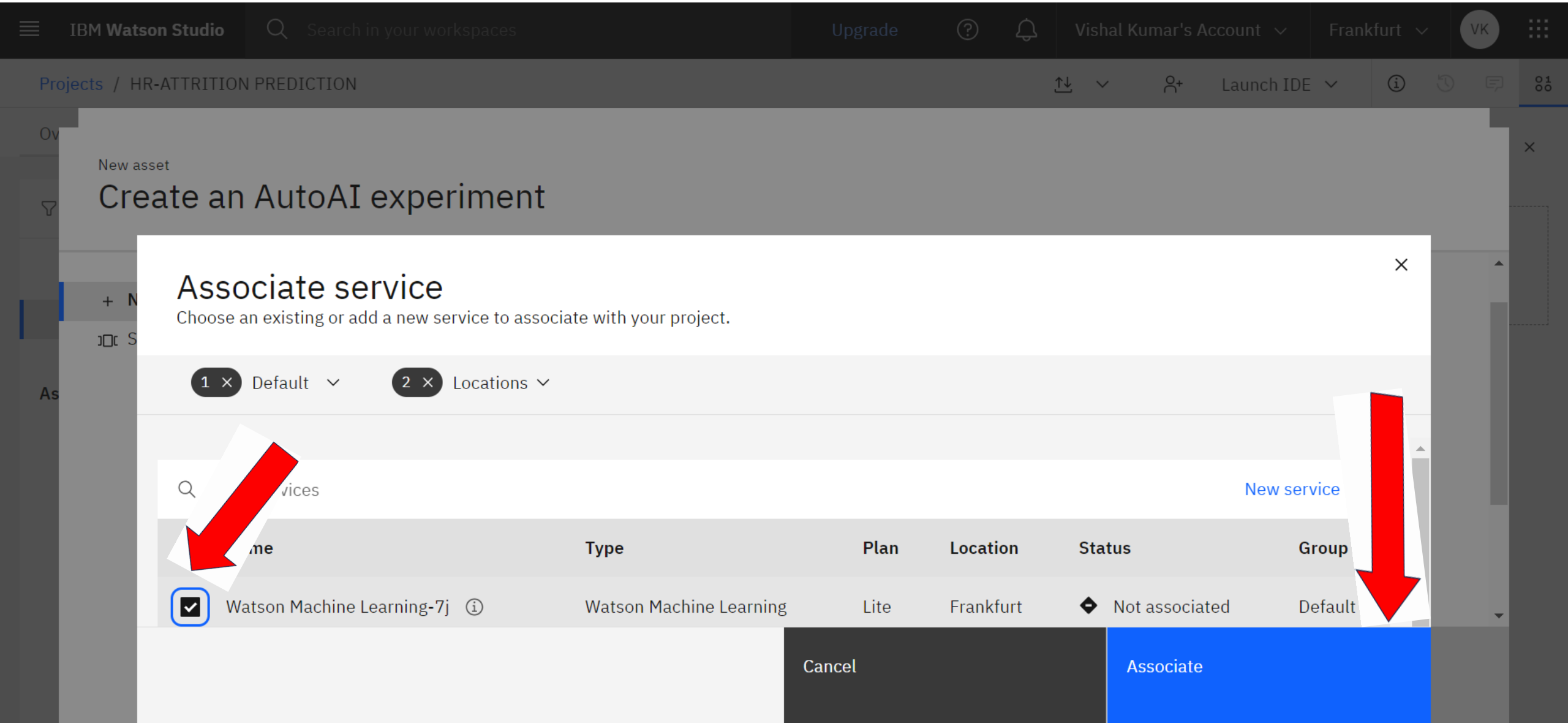
Step 10:- Go to Automated builders and click on AutoAI



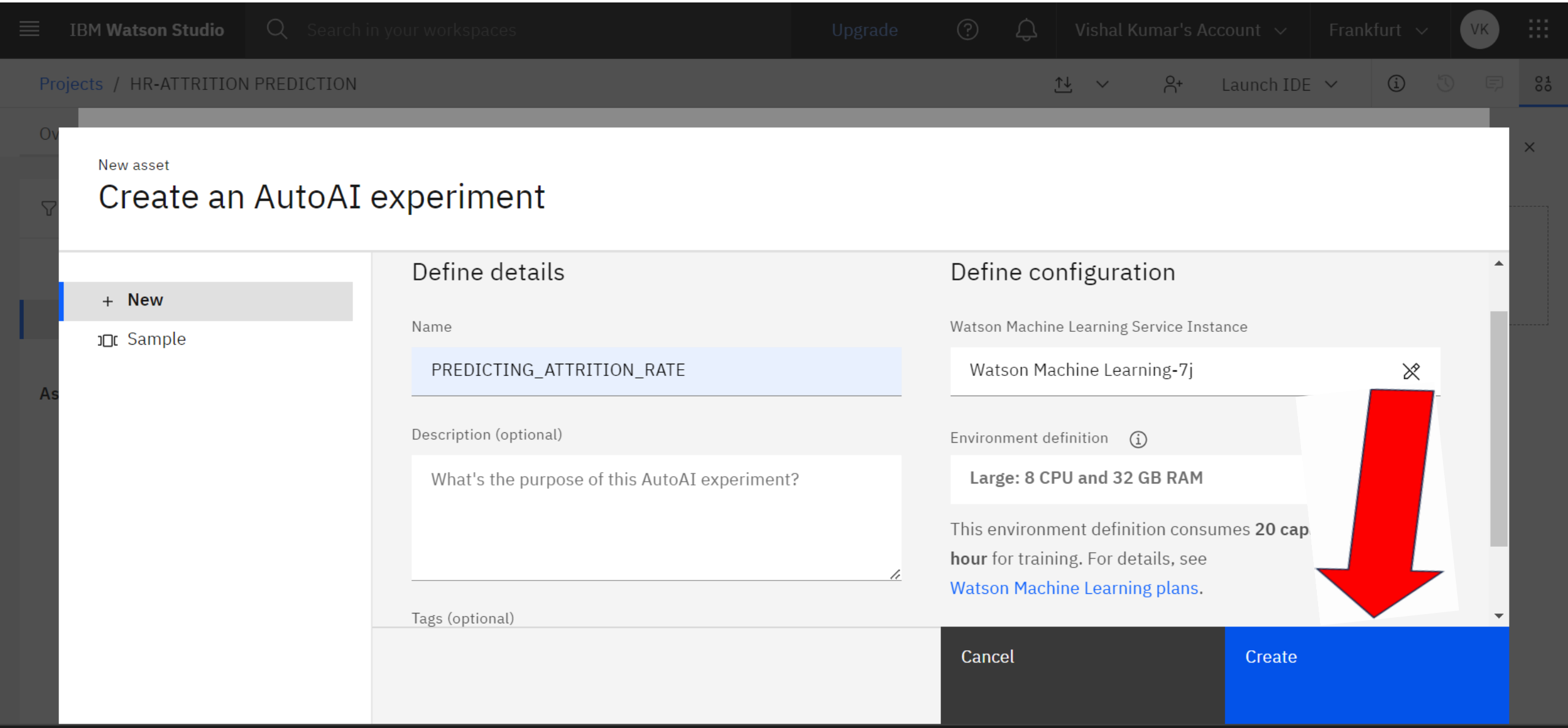
Step 11:- give name and then click on associate a machine learning instance



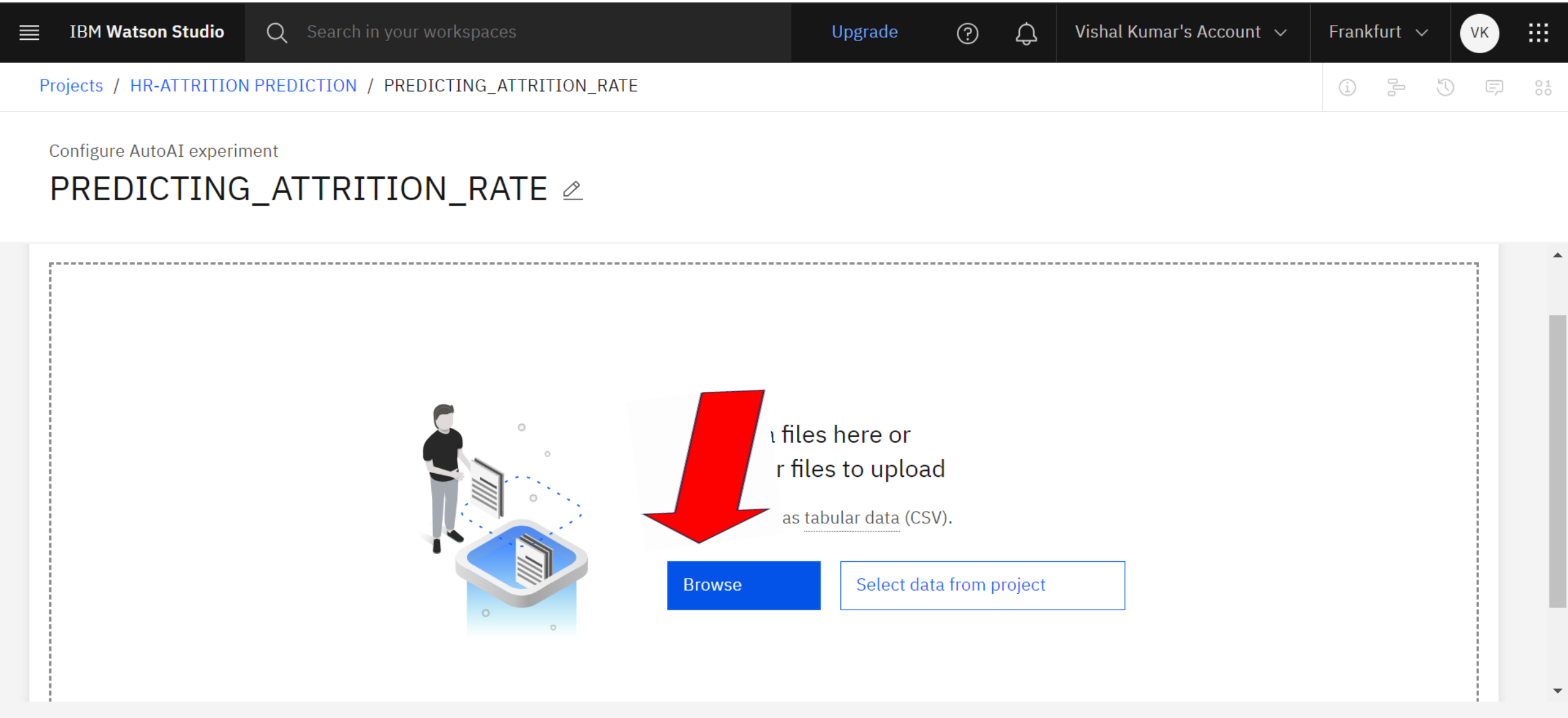
Step 12:- tick on the box of Watson machine learning and then click on associate



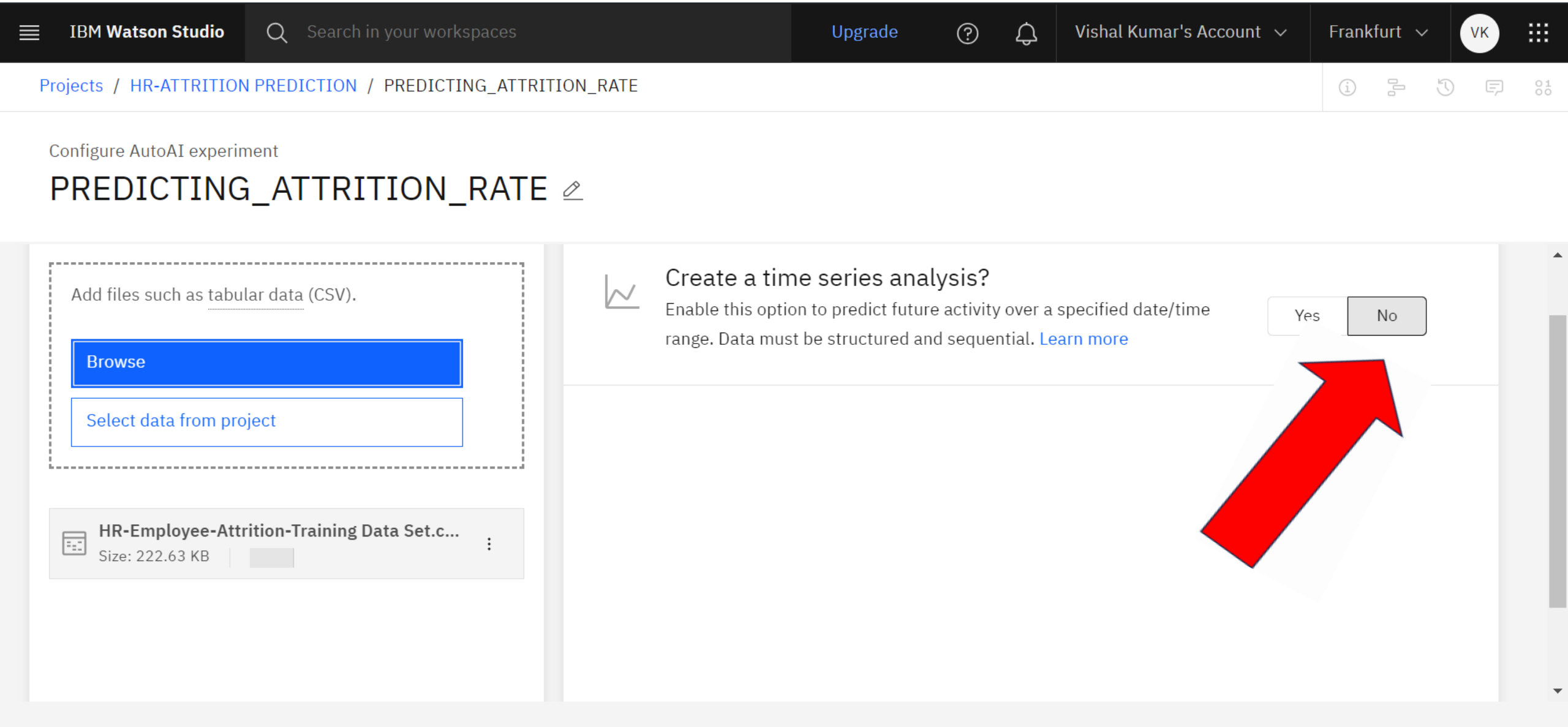
Step 13:- Now click on Create



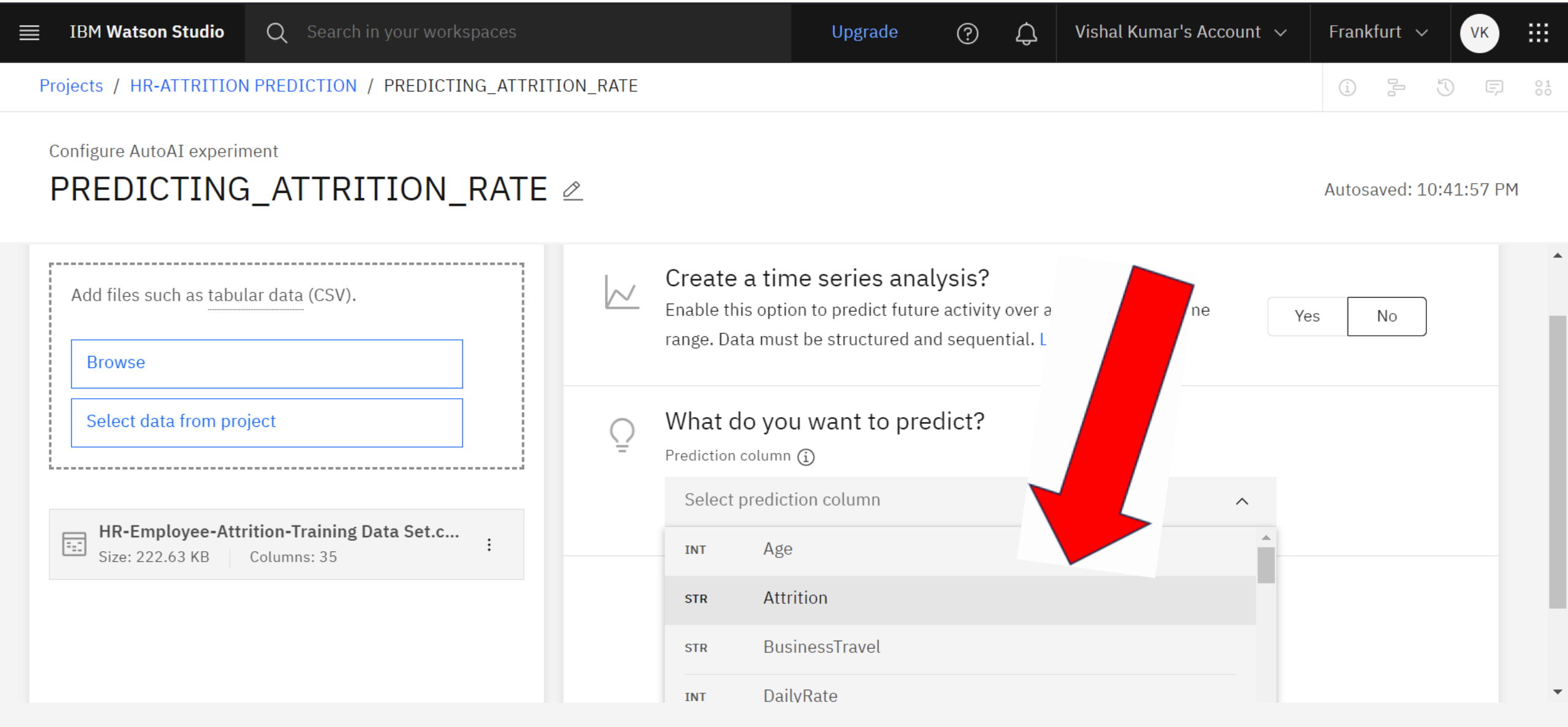
Step 14:- click on browse and select the dataset



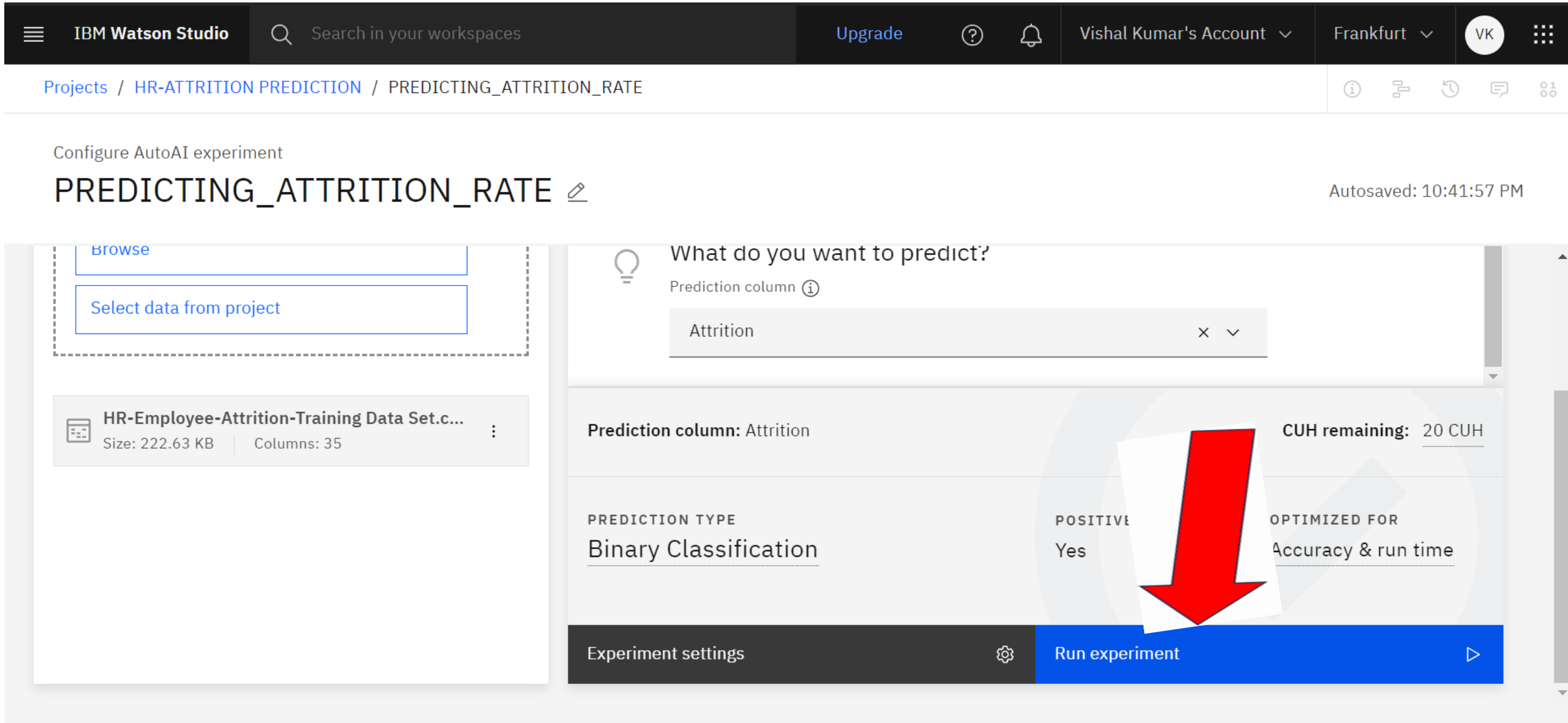
Step 15:- click on No in Time series Analysis



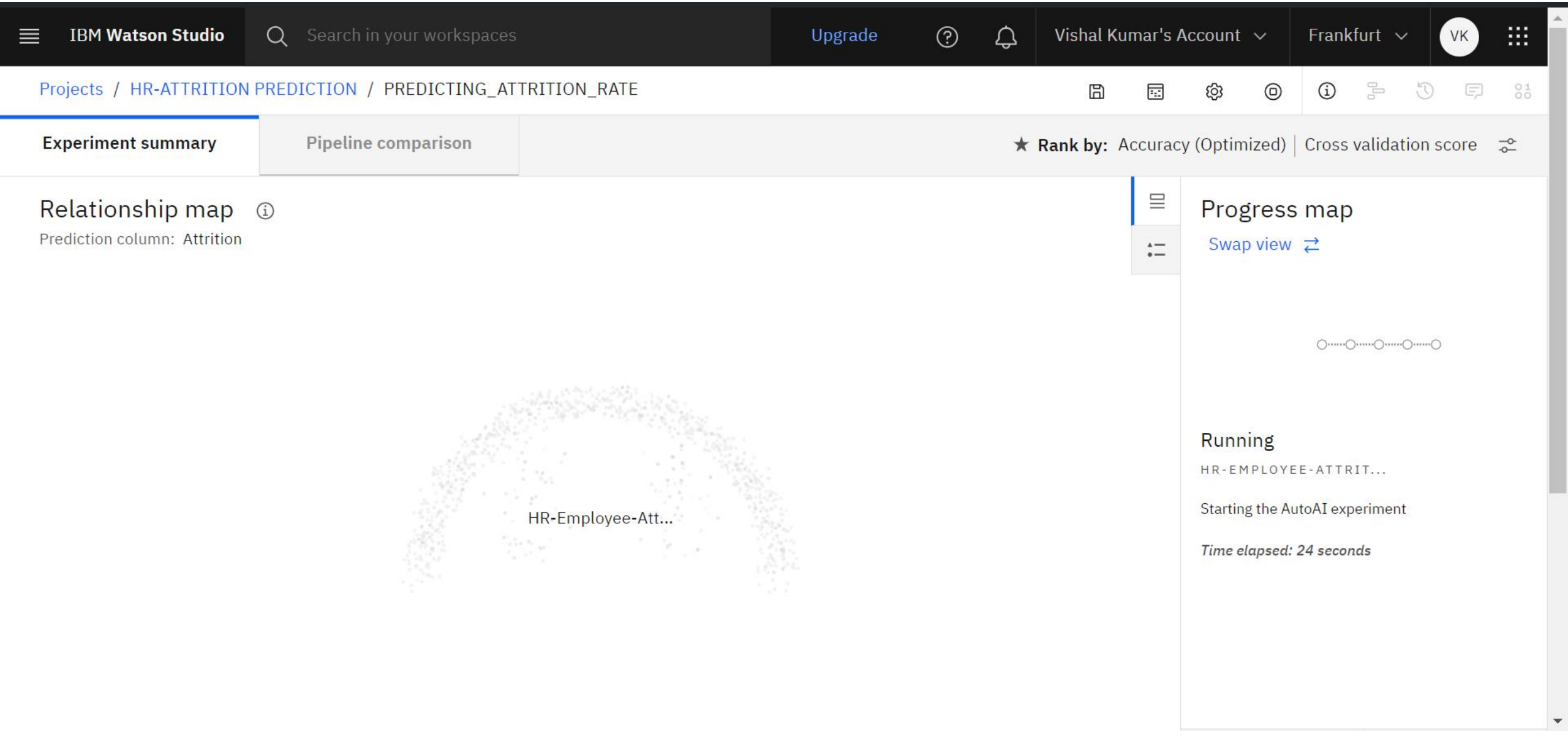
Step 16:- Select column which you want to predict in this case select Attrition



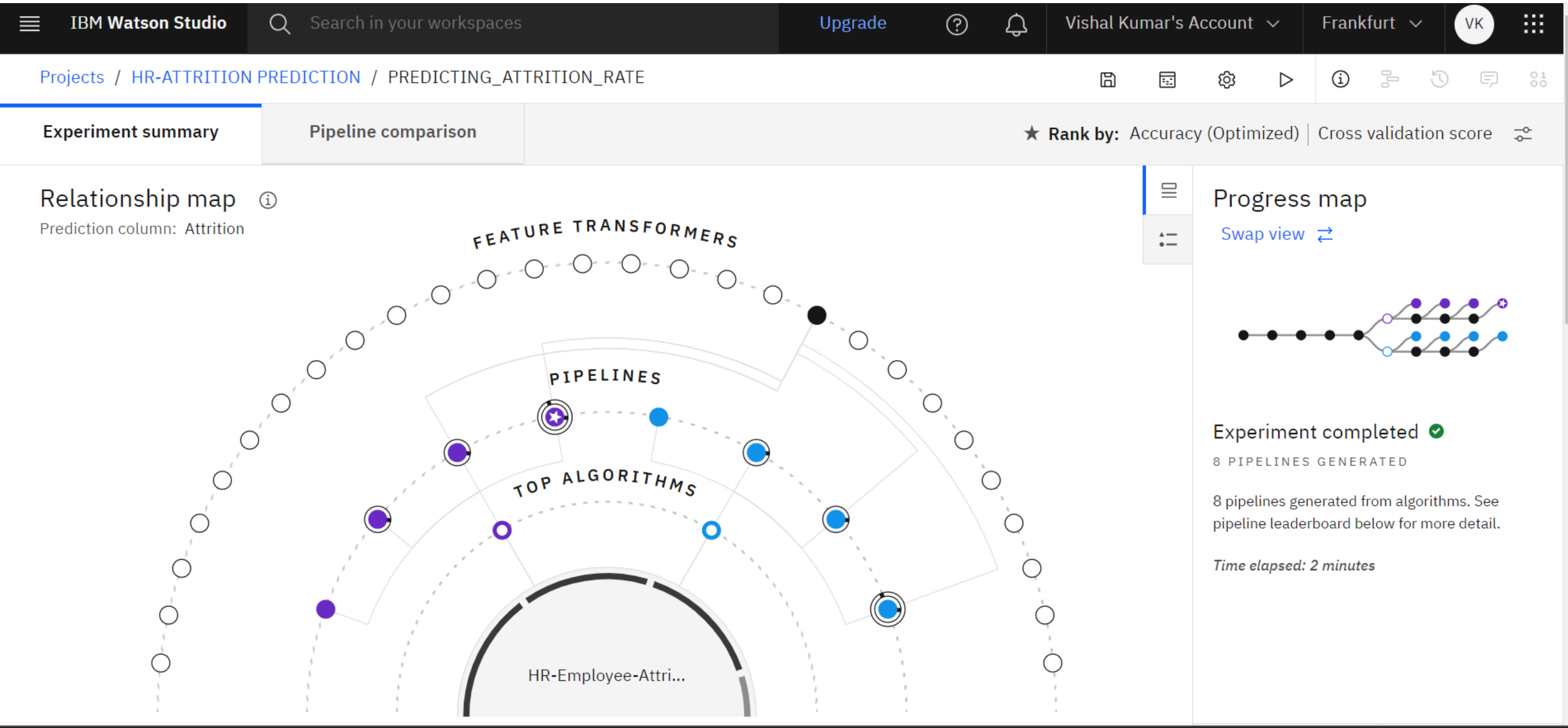
Step 17:- click on run experiment



Step 18:- On this screen experiment is going on and it will take some minutes to complete it



Step 19:- Now machine has been trained in this dataset



Step 20:- Scroll down on the page and as you can see pipeline 4 is giving the highest accuracy

IBM Watson Studio | Search in your workspaces | Upgrade | Vishal Kumar's Account | Frankfurt | VK

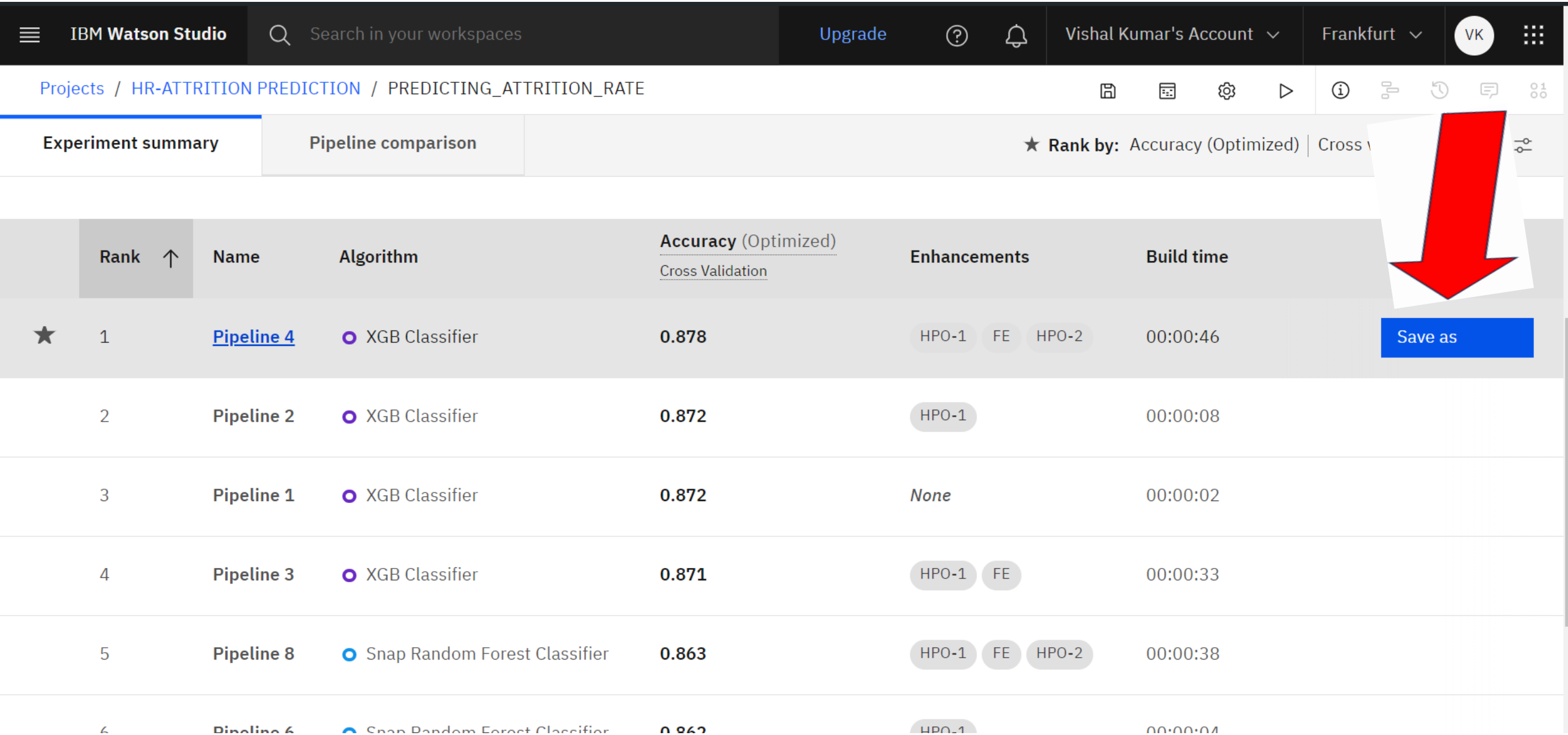
Projects / HR-ATTRITION PREDICTION / PREDICTING_ATTRITION_RATE

Experiment summary | Pipeline comparison

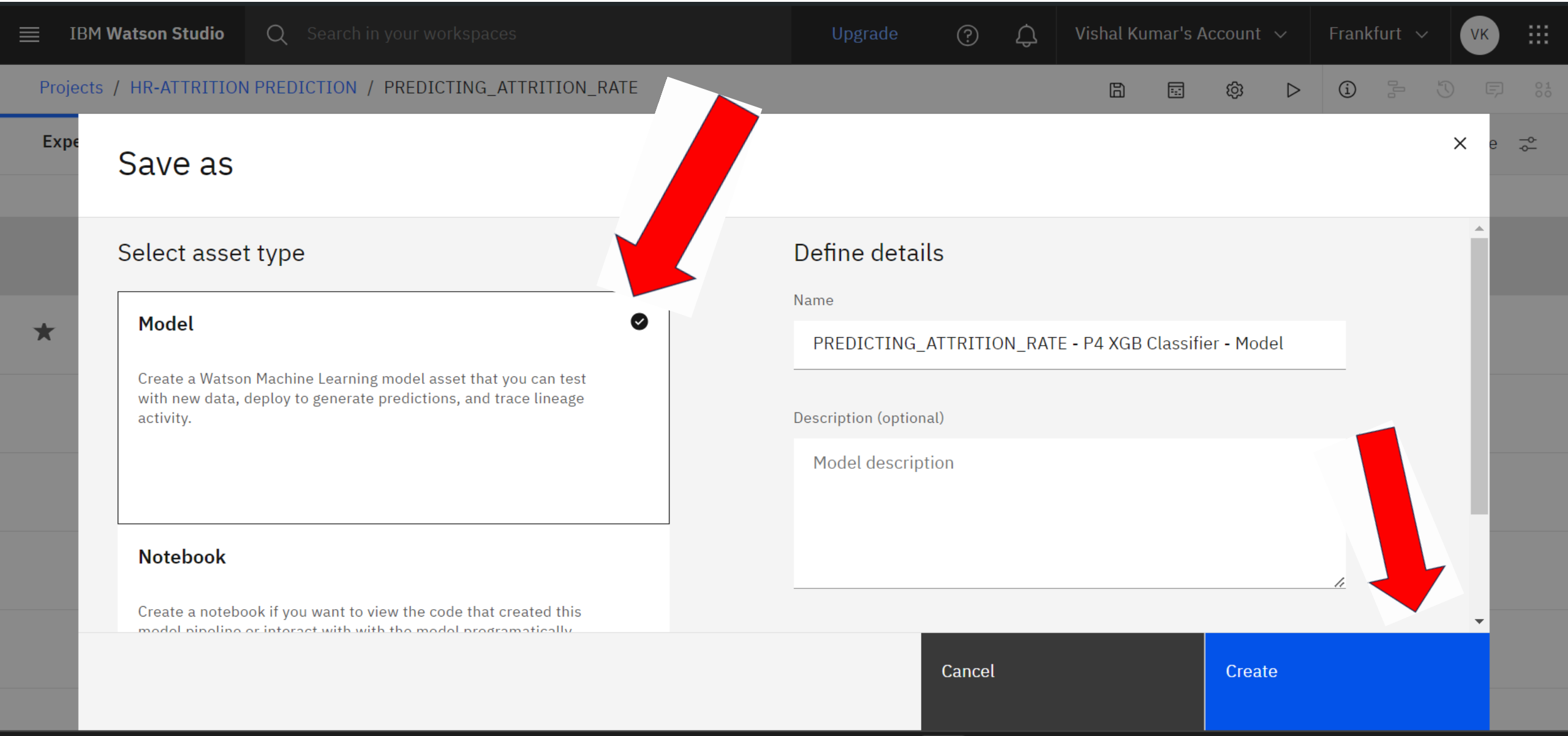
★ Rank by: Accuracy (Optimized) | Cross validation score

	Rank	Name	Algorithm	Accuracy (Optimized) Cross Validation	Enhancements	Build time
★	1	Pipeline 4	XGB Classifier	0.878	HPO-1 FE HPO-2	00:00:46
	2	Pipeline 2	XGB Classifier	0.872	HPO-1	00:00:08
	3	Pipeline 1	XGB Classifier	0.872	*None*	00:00:02
	4	Pipeline 3	XGB Classifier	0.871	HPO-1 FE	00:00:33
	5	Pipeline 8	Snap Random Forest Classifier	0.863	HPO-1 FE HPO-2	00:00:38
	6	Pipeline 6	Snap Random Forest Classifier	0.862	HPO-1	00:00:04

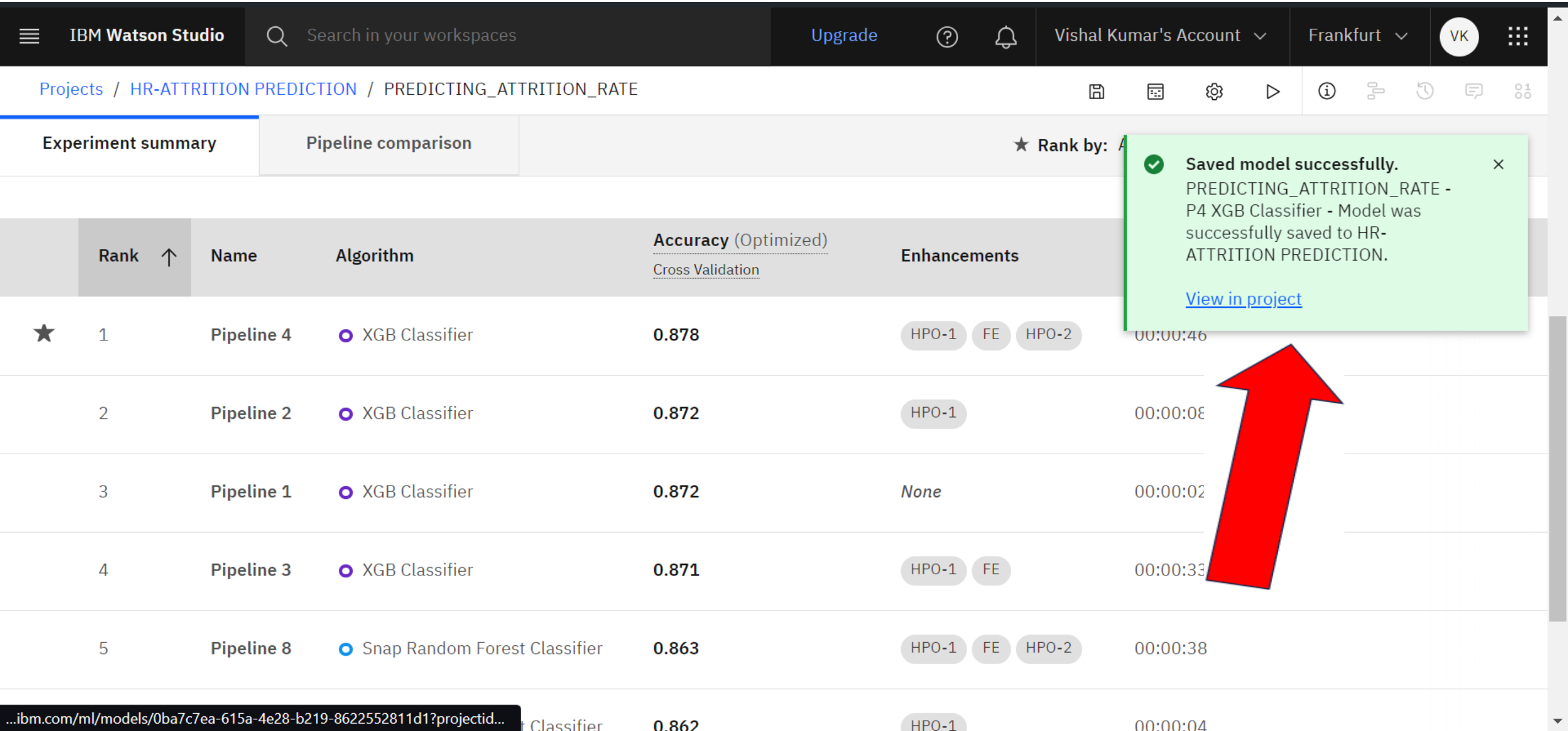
Step 21:- We can save this pipeline by clicking on save as



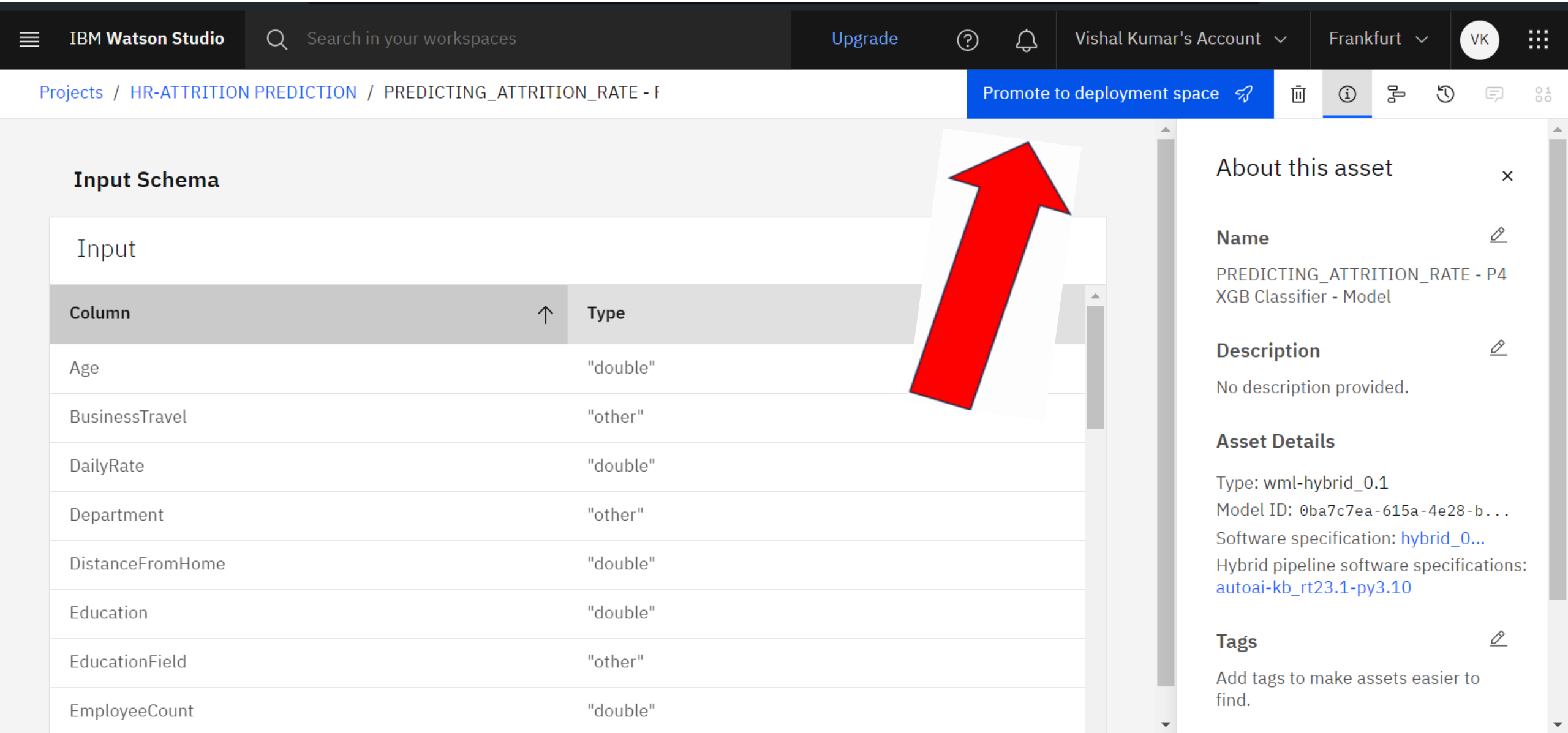
Step 22:- click on model and then create it



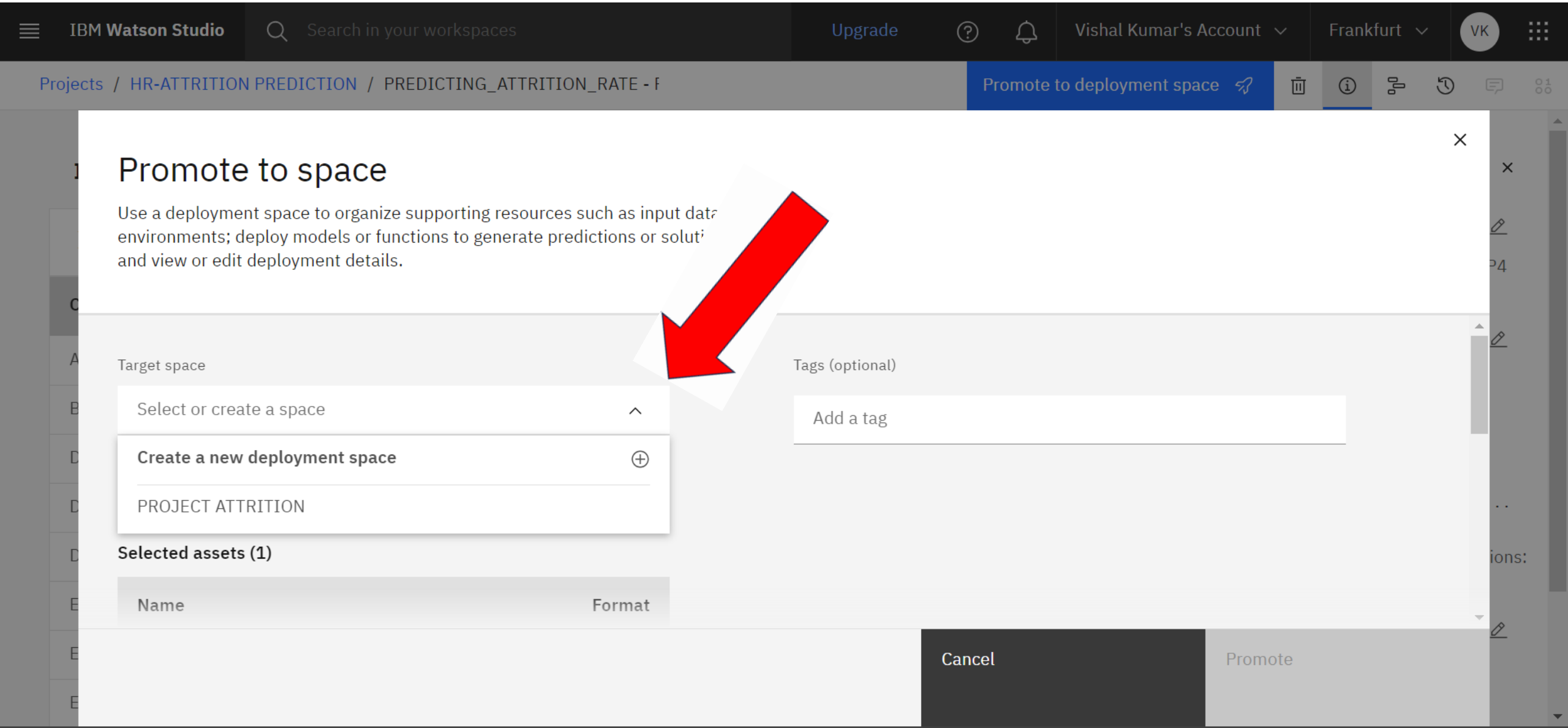
Step 23:- now your model has been saved successfully and click on view in project



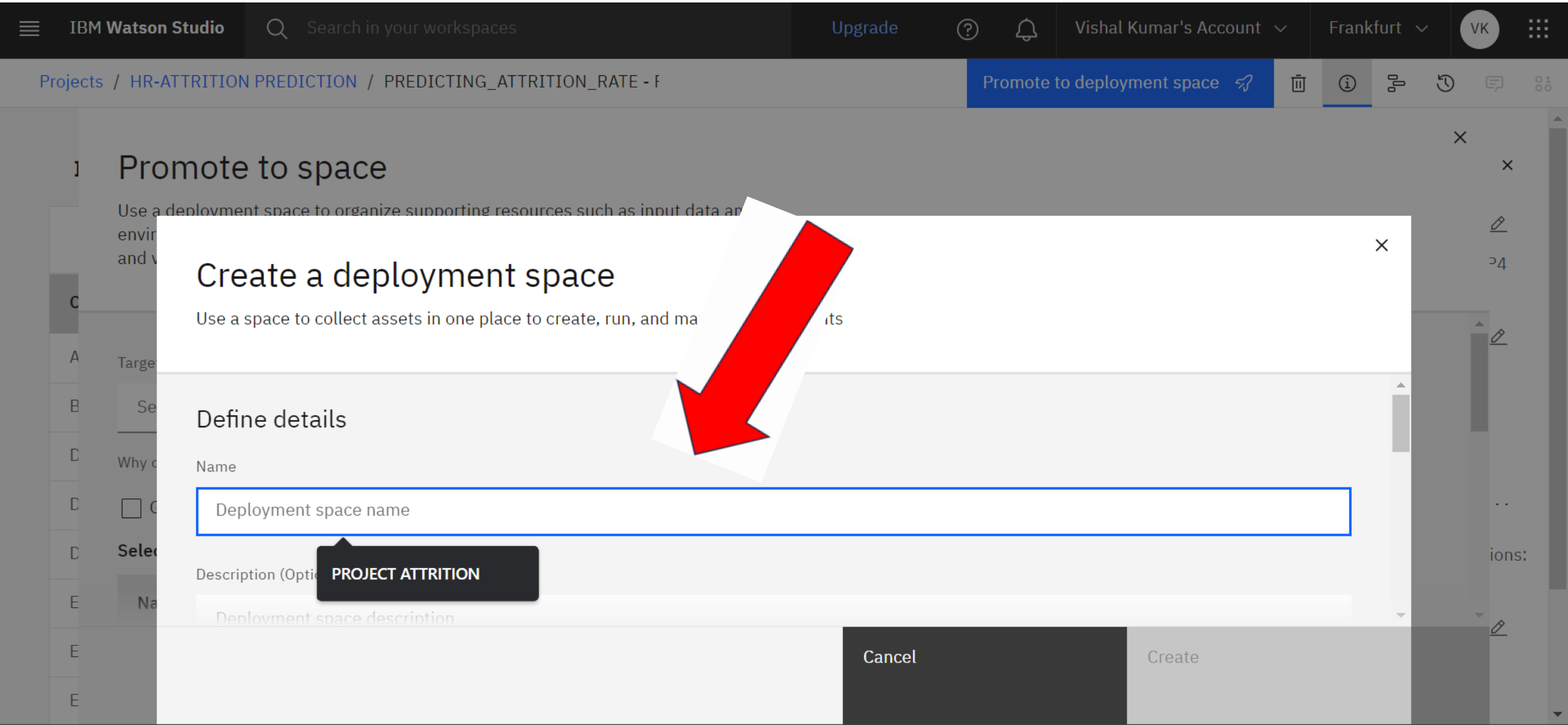
Step 24:- click on promote to deployment space



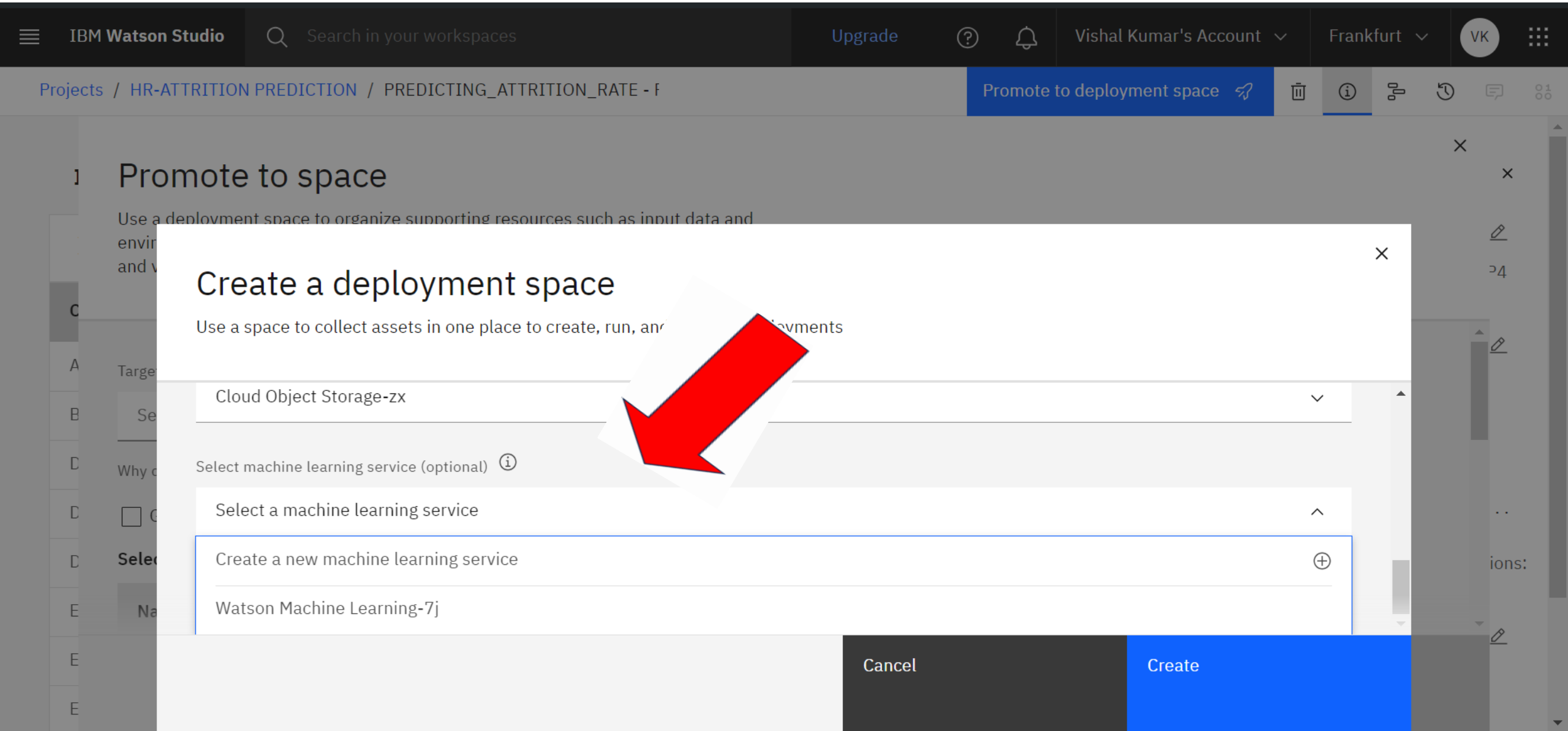
Step 25:- In target Space, click on create a new deployment space



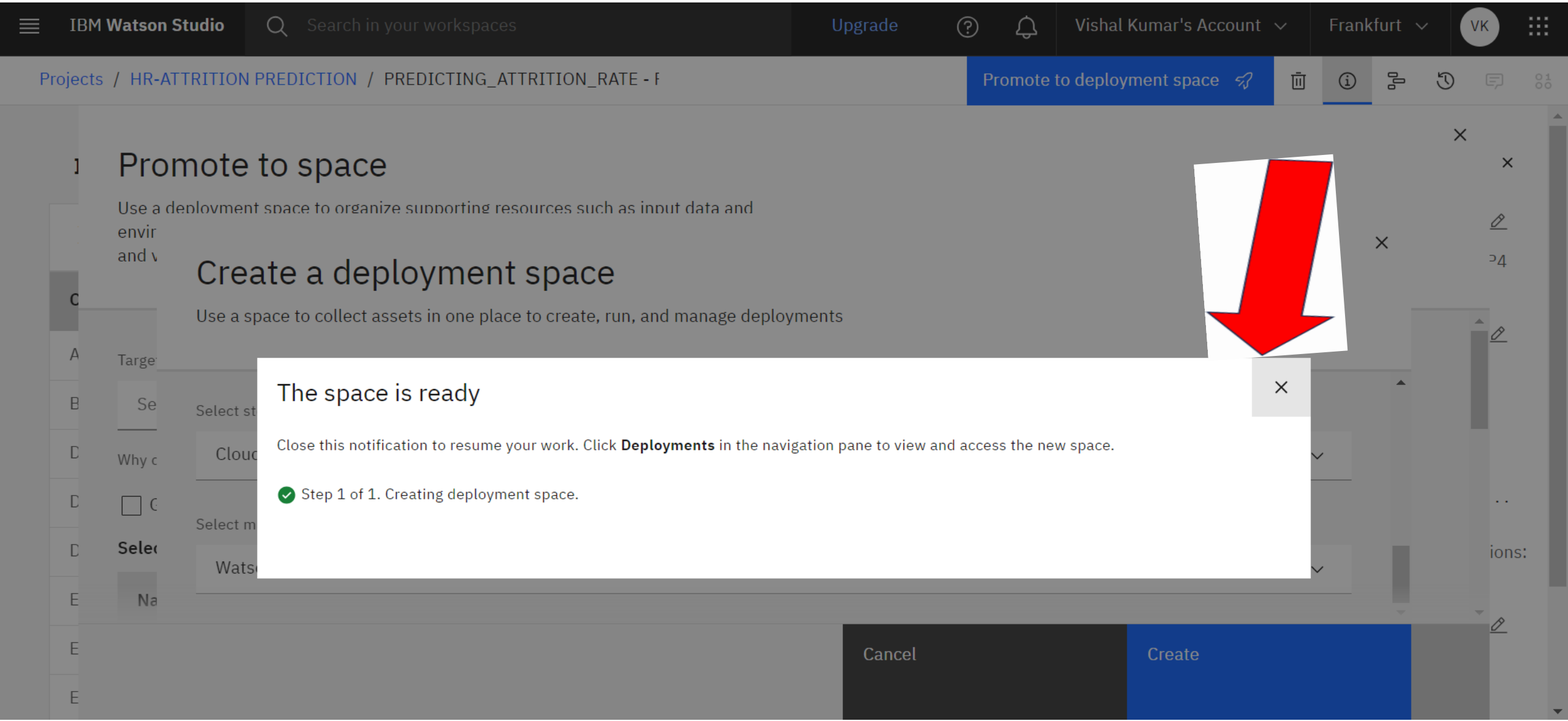
Step 26:- give name PROJECT ATTRITION and then scroll down and go to select machine learning service



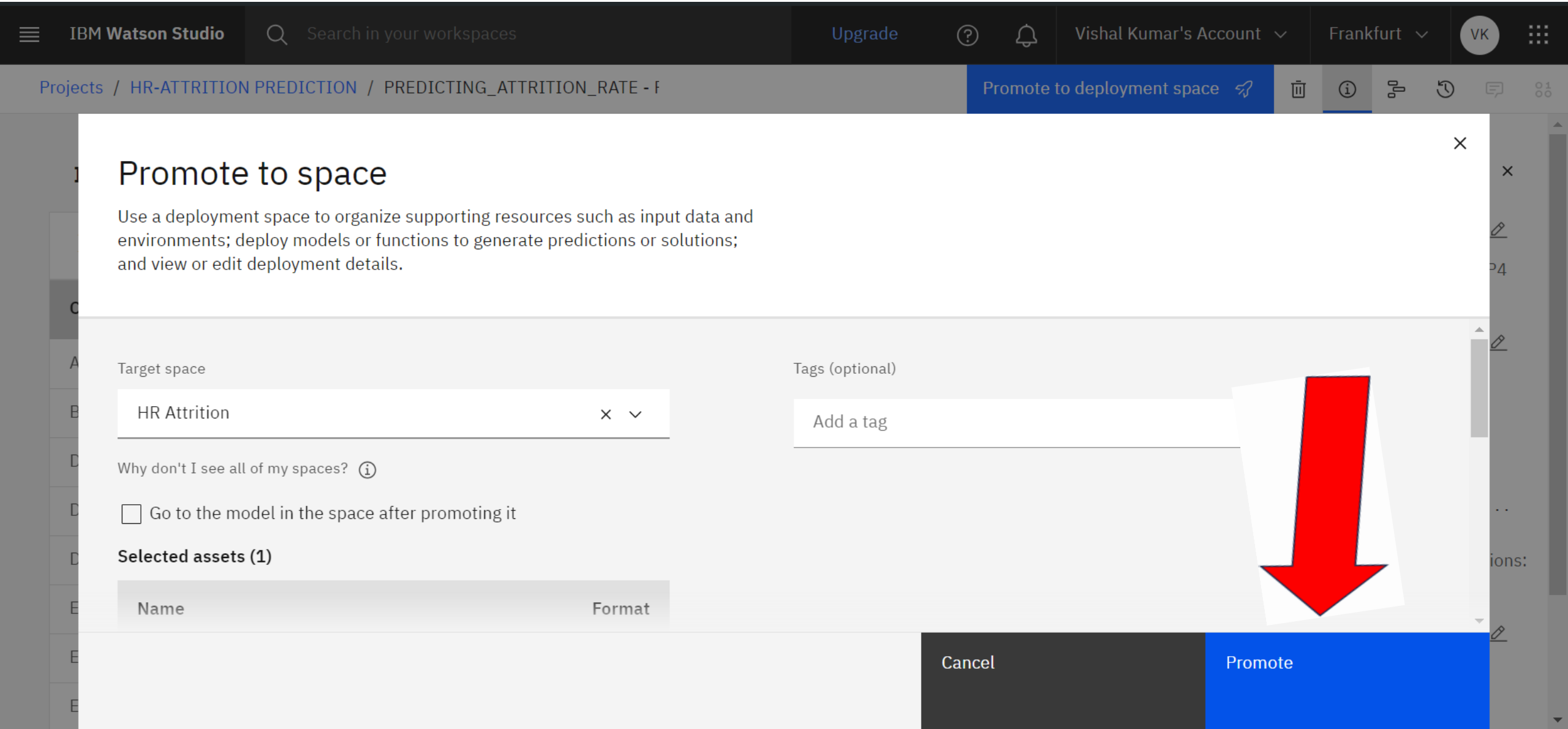
Step 27:- select Watson Machine Learning and then click on create



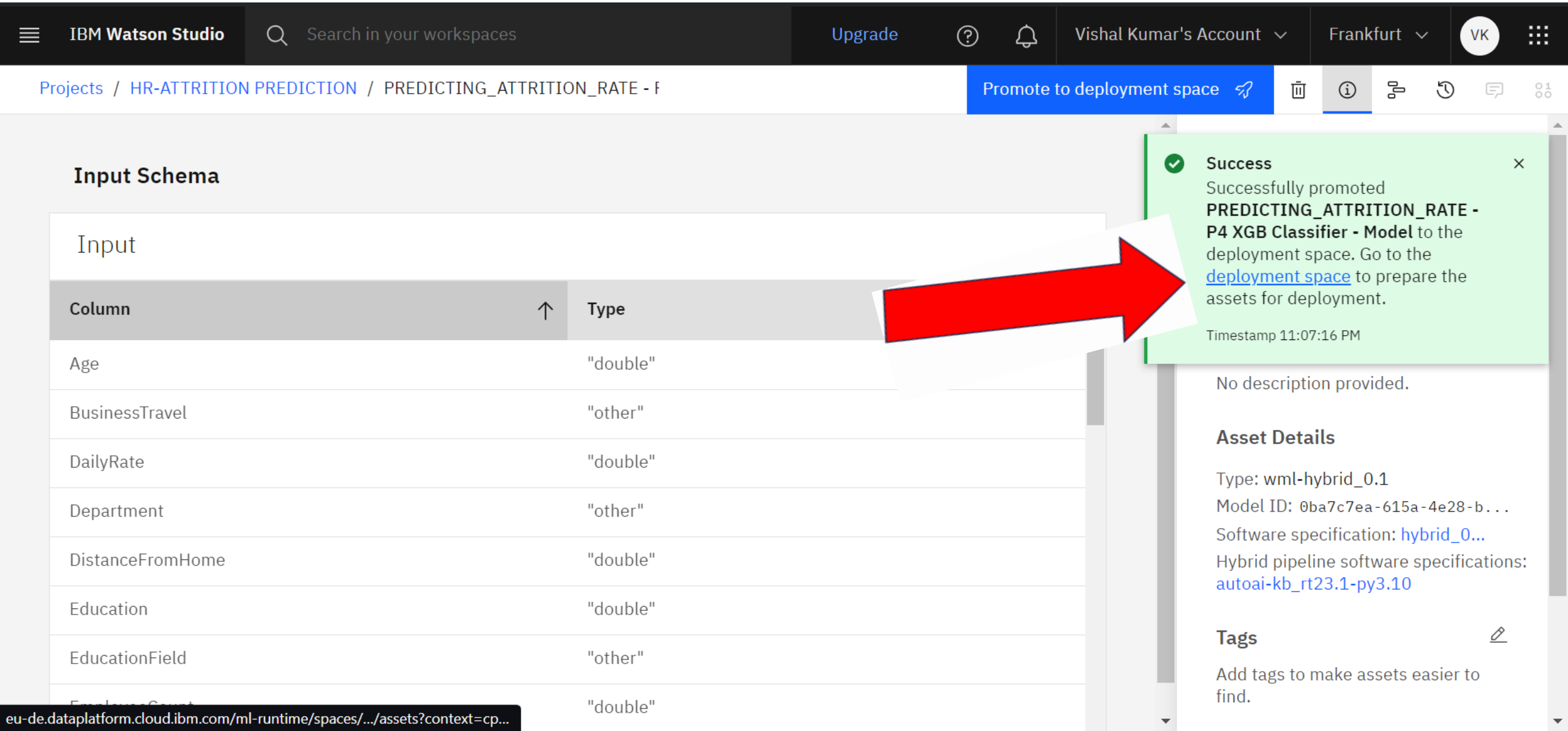
Step 28:- Now you space is ready. Close this pop-up



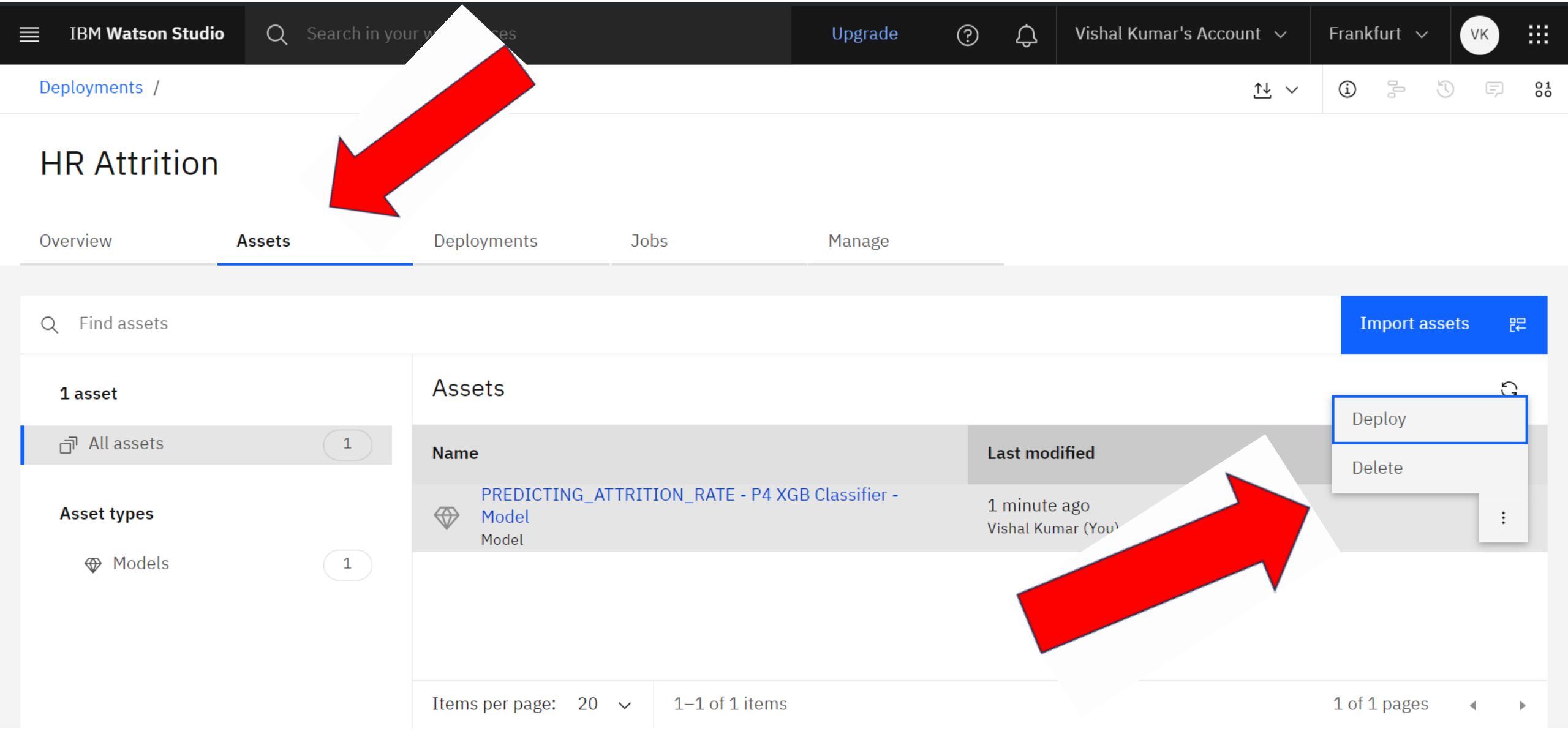
Step 29:- Now click on promote



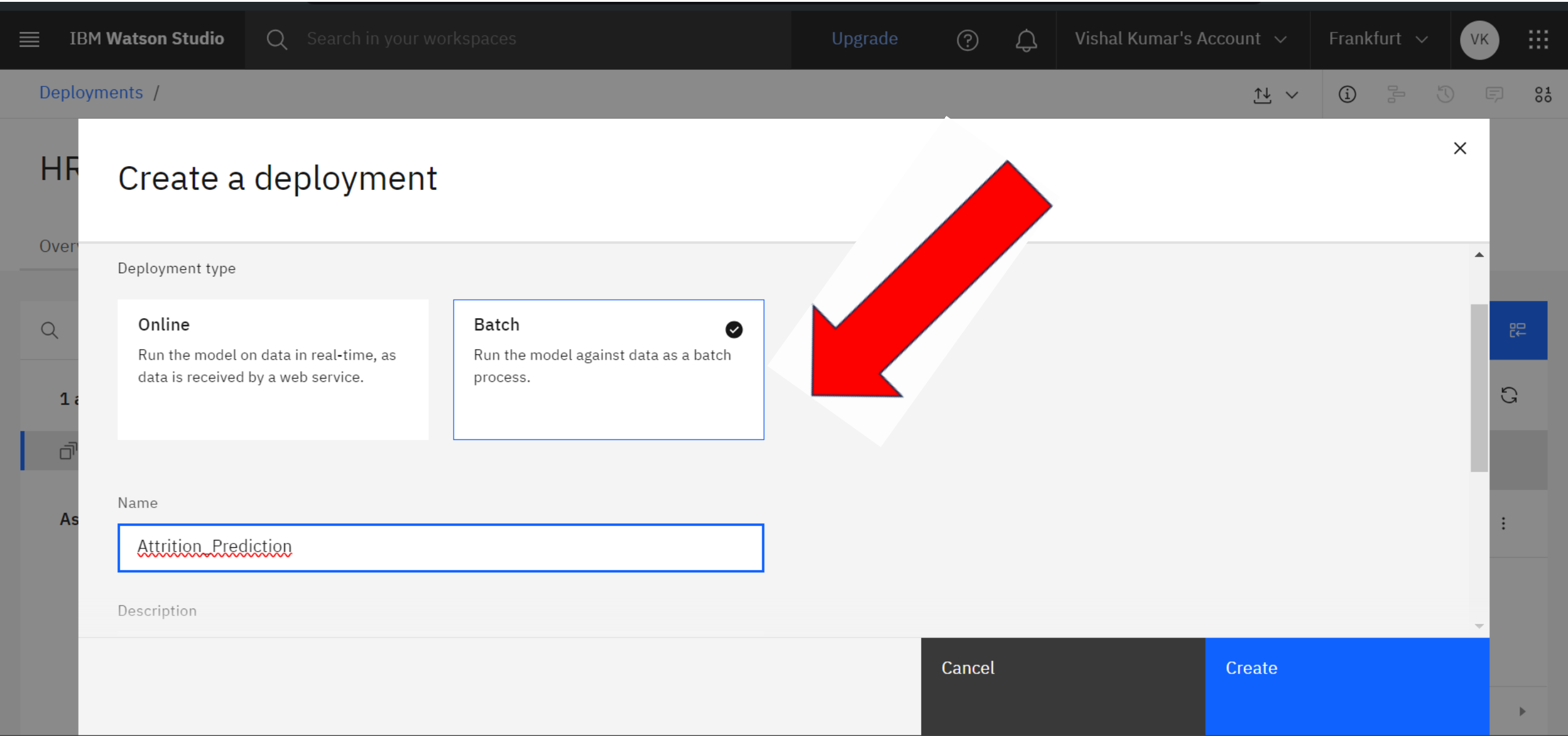
Step 30:- In the Right side, there is a green pop-up box. Click on the deployment space in that



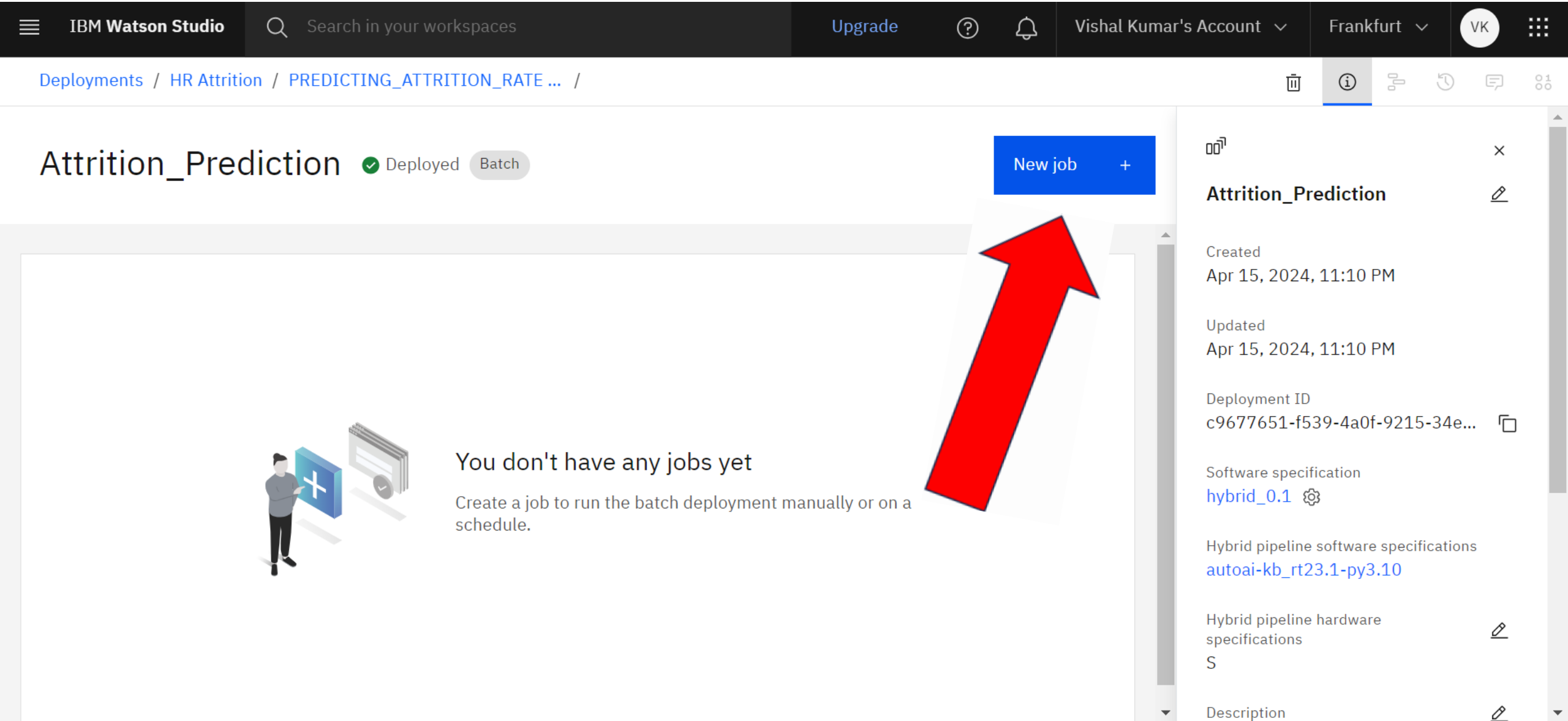
Step 31:- Now go to the Assets part and click on the three dots and select deploy



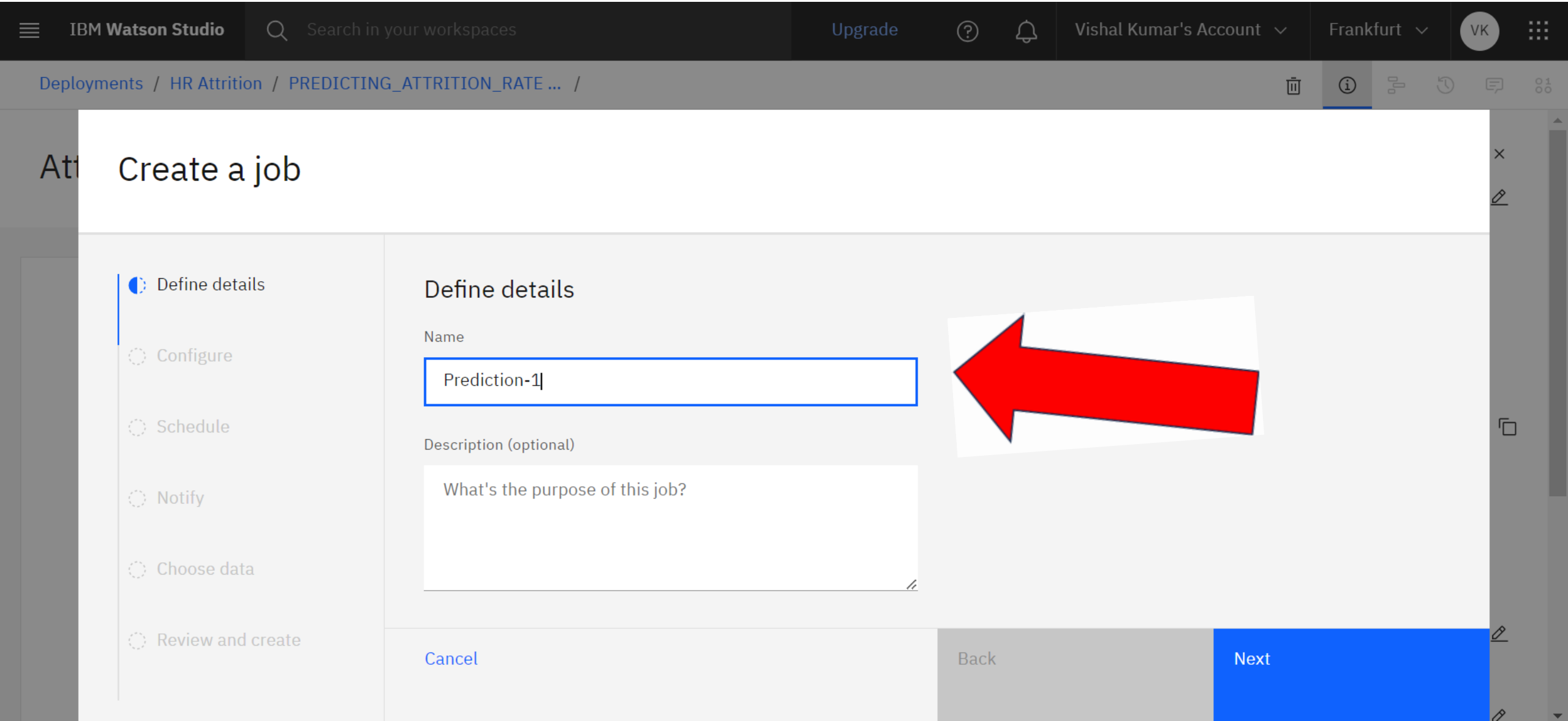
Step 32:- Select Batch and Give name Attrition_Prediction and then click on create



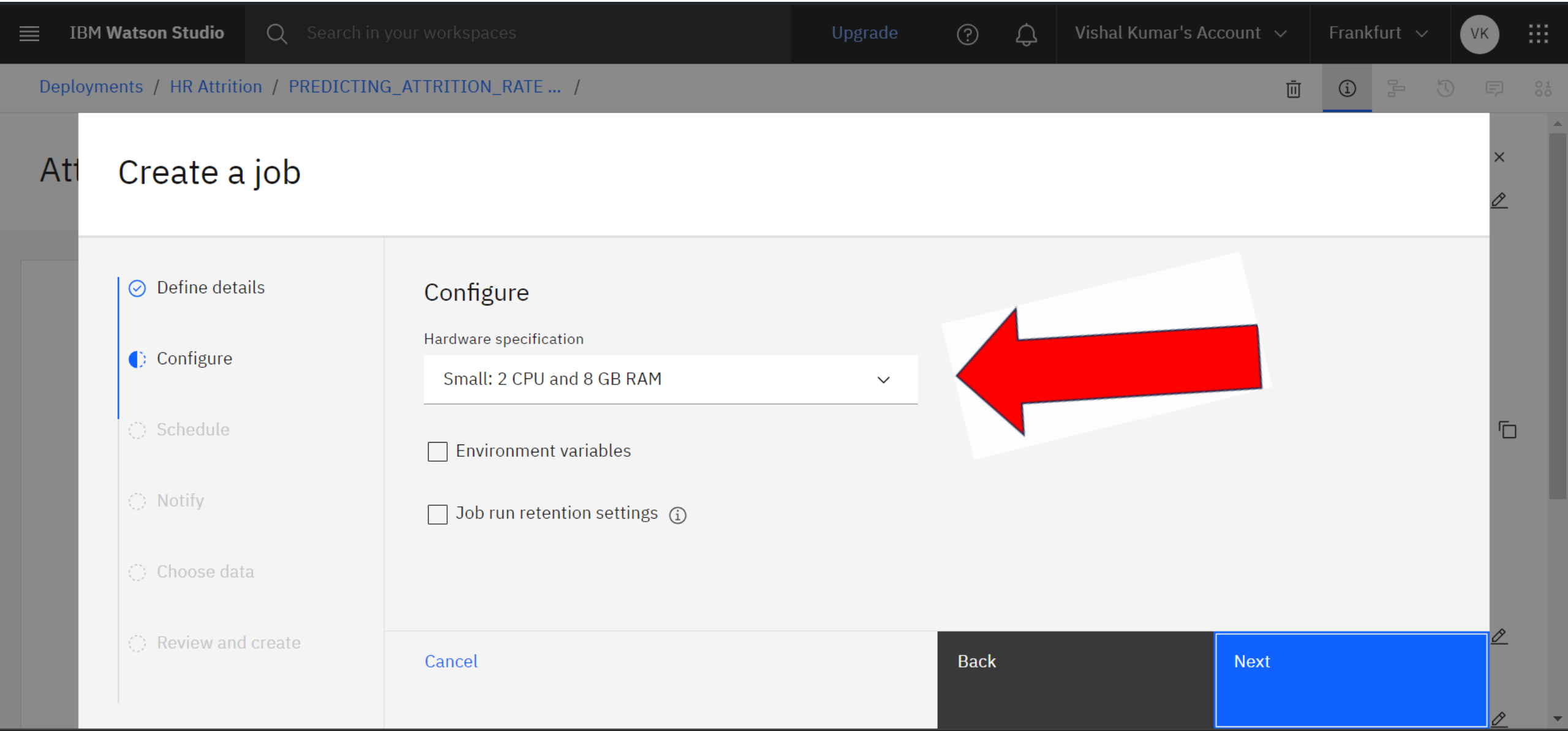
Step 33:- click on New Job



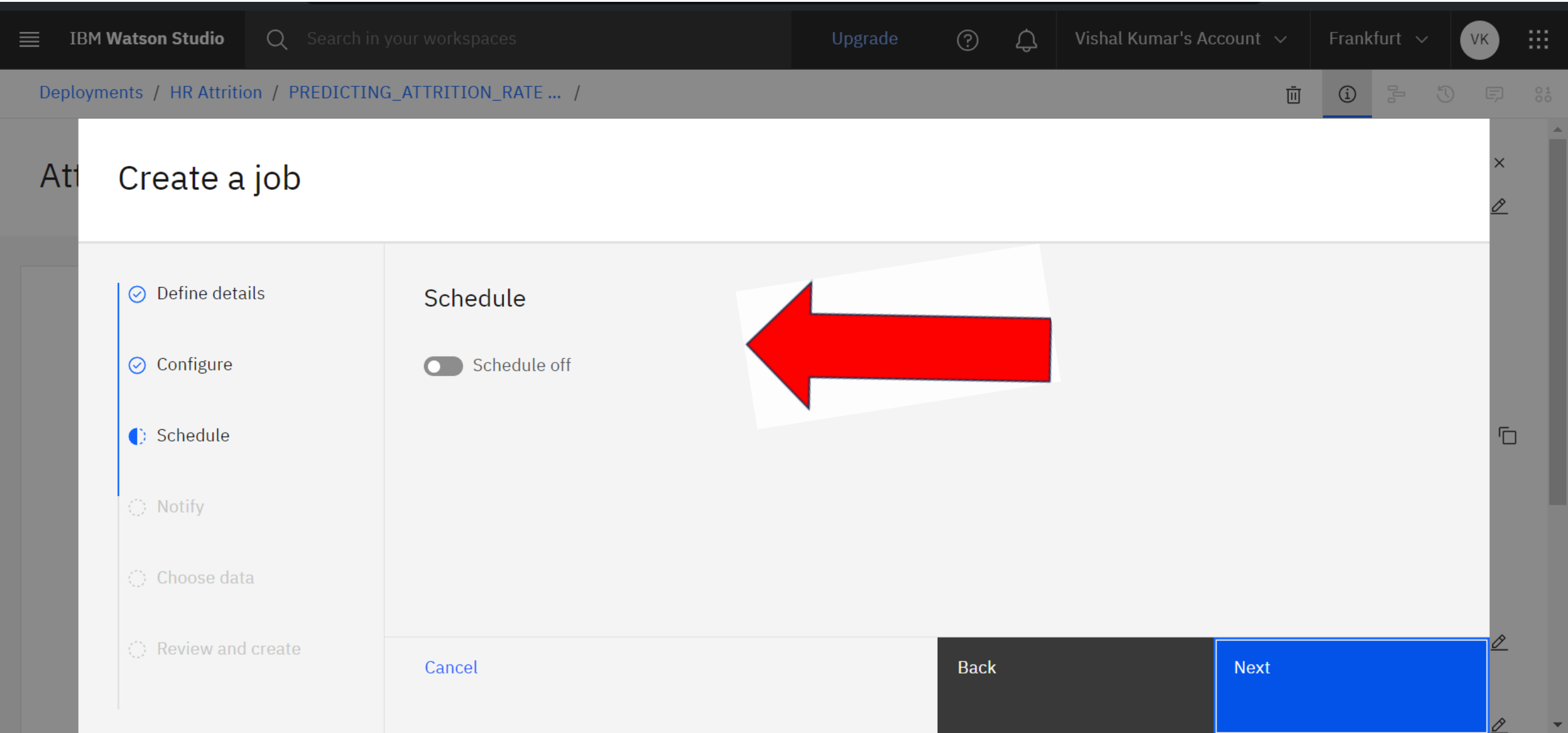
Step 34:- Give name to it and then click next



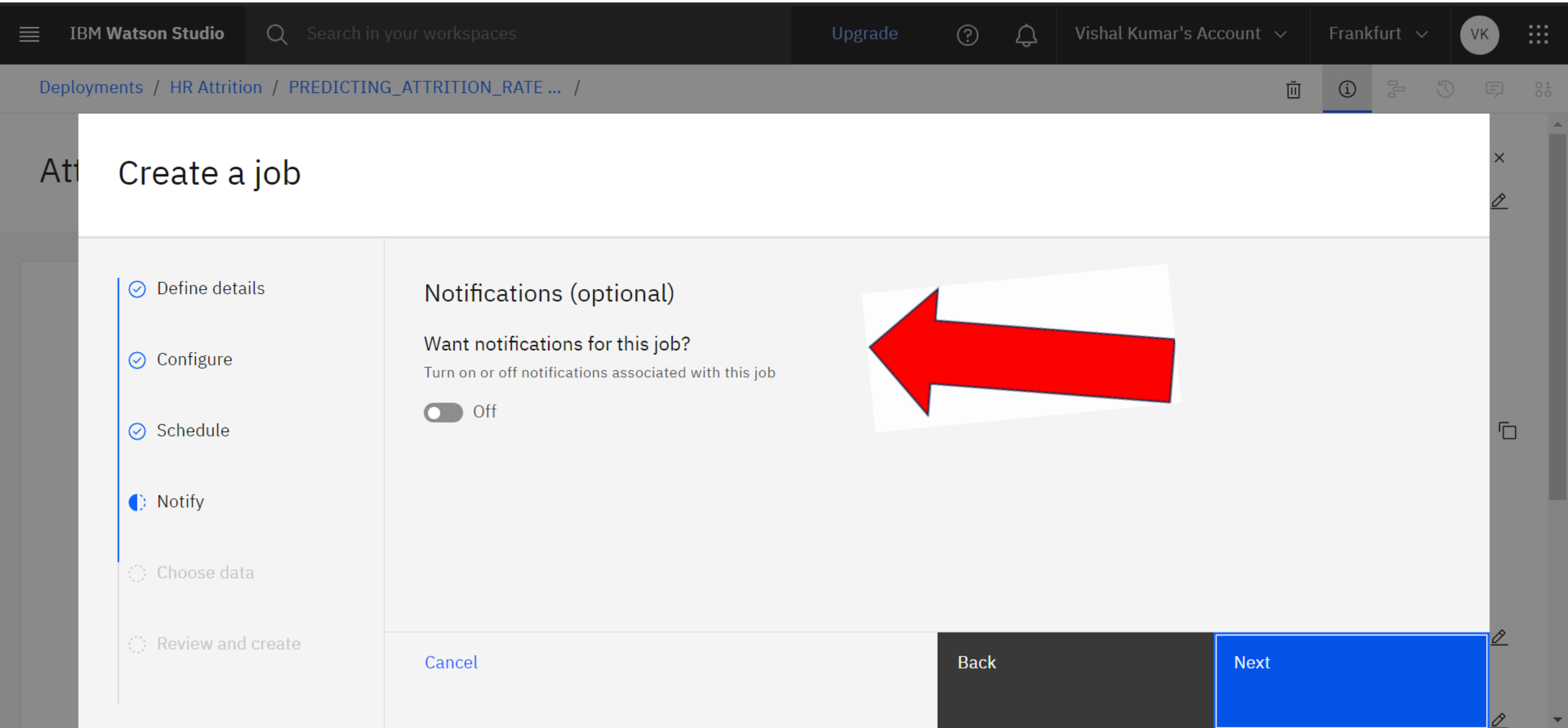
Step 35:- configuration should be the same as below and then click next



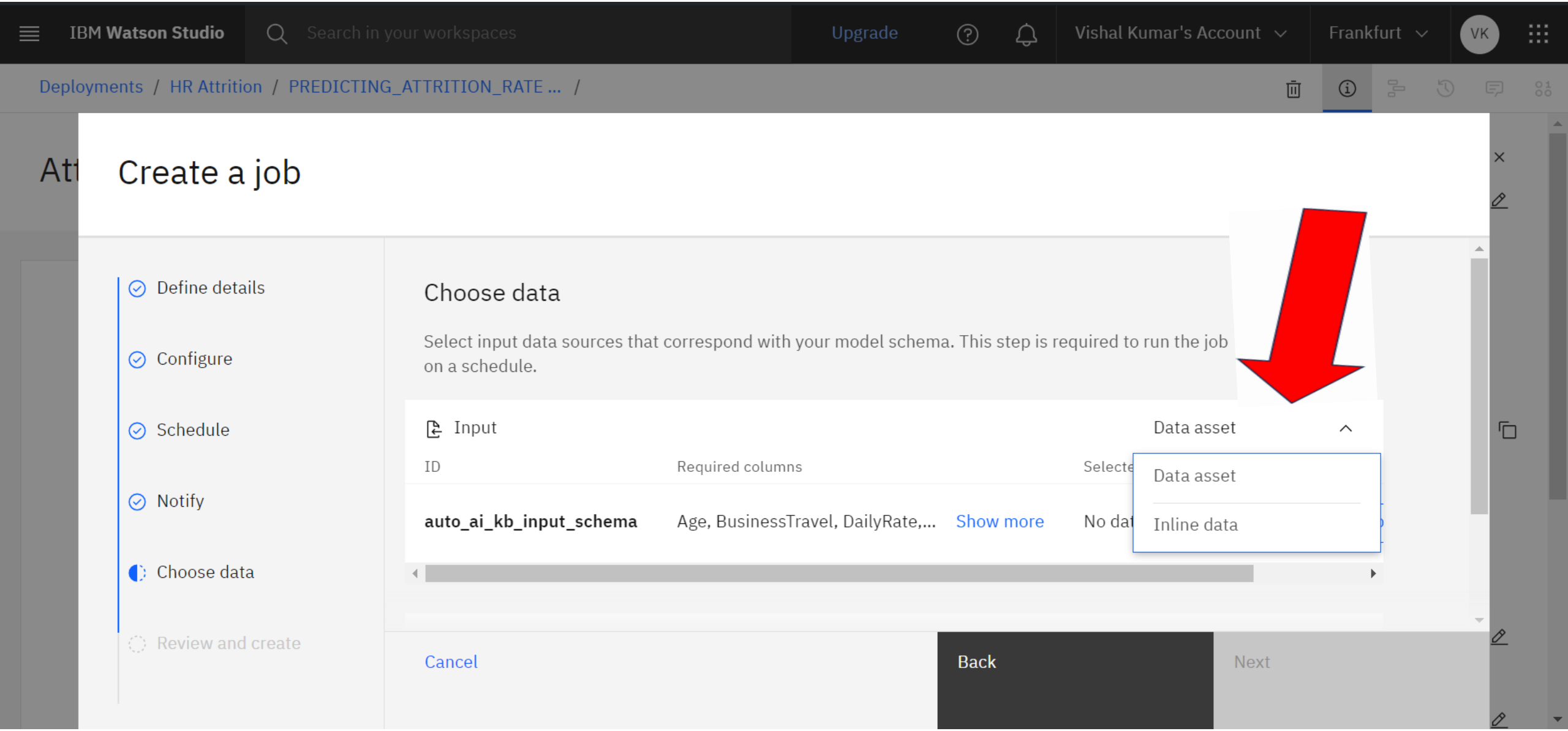
Step 36:- Schedule will be off and click next



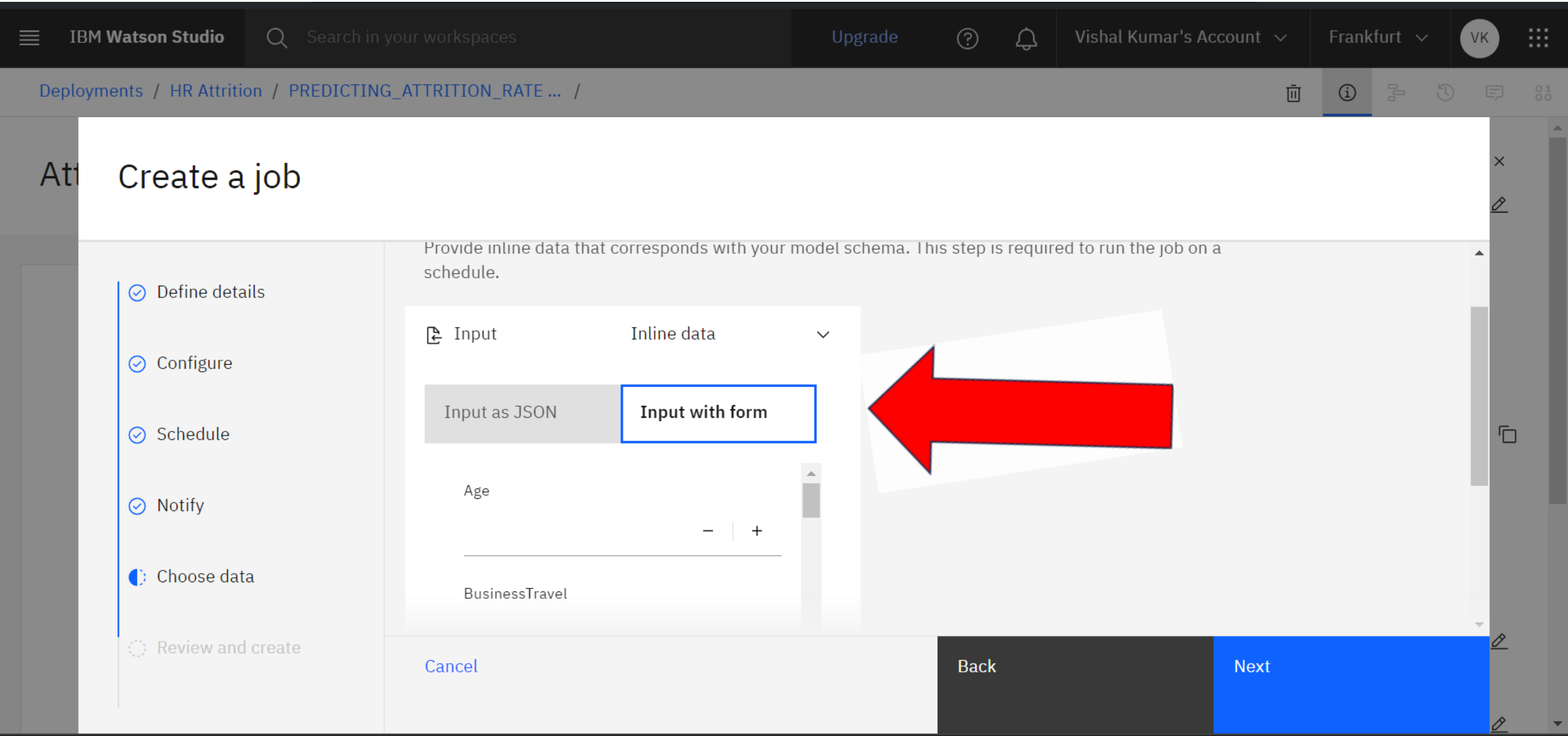
Step 37:- Notifications will be off and then click next



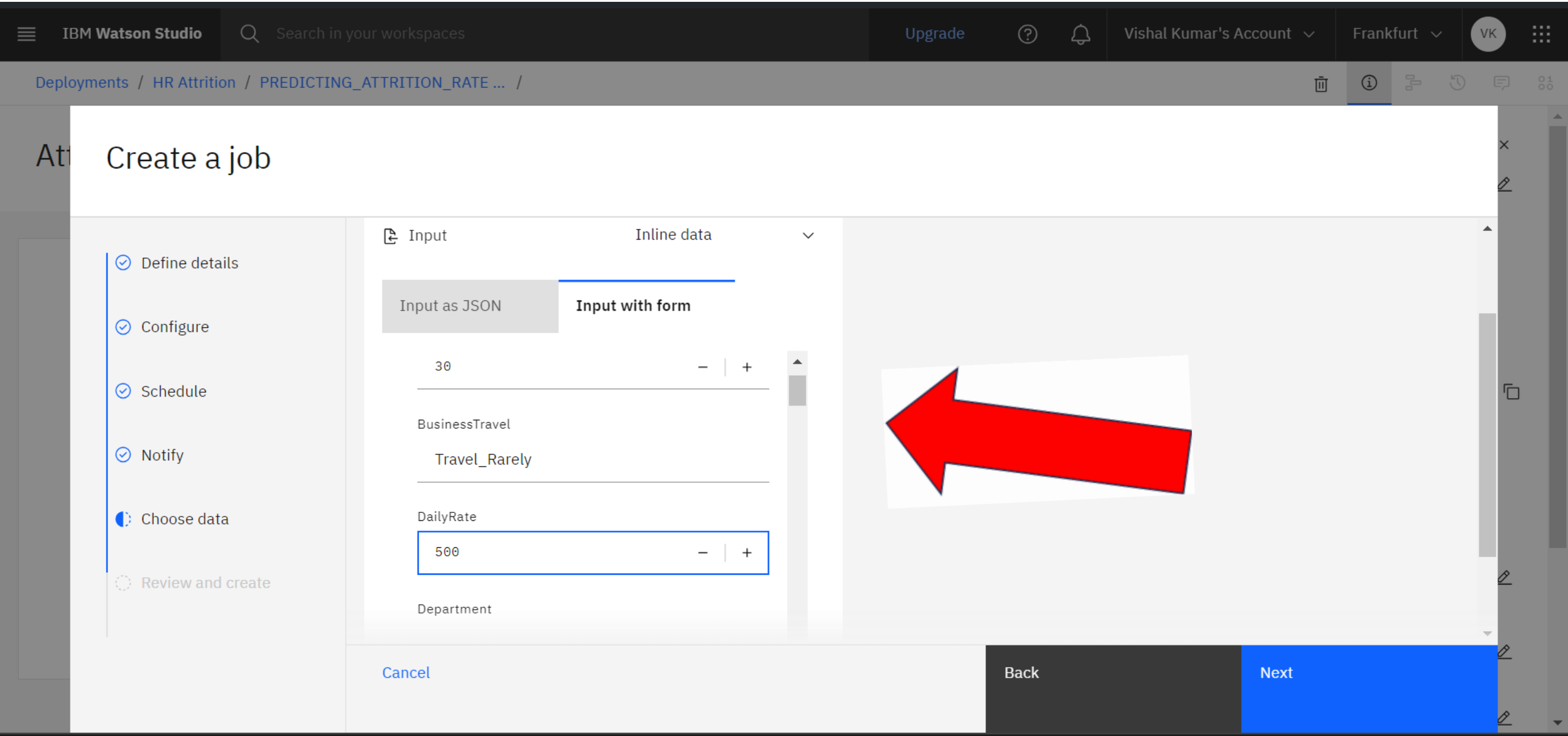
Step 38:- Now select Inline Data



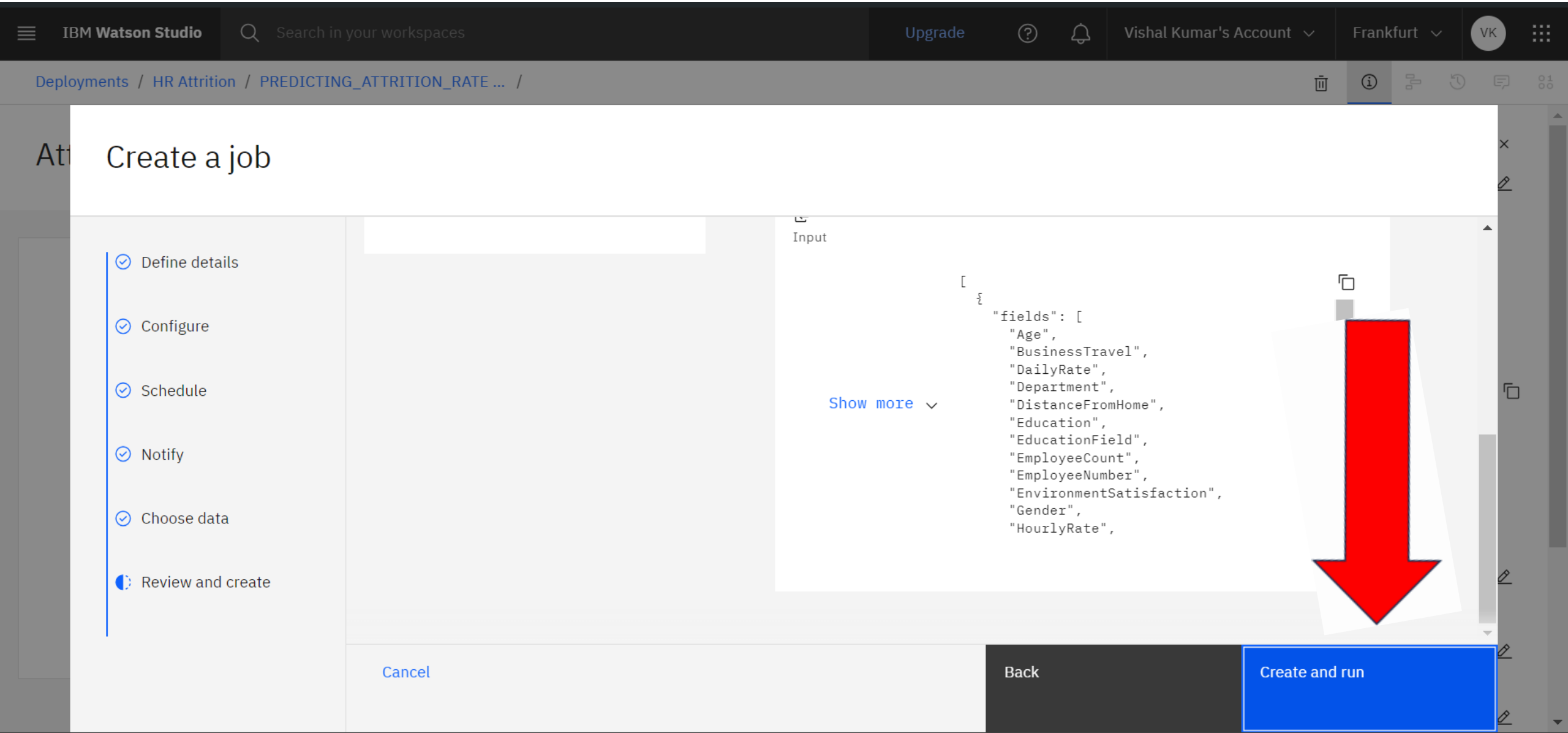
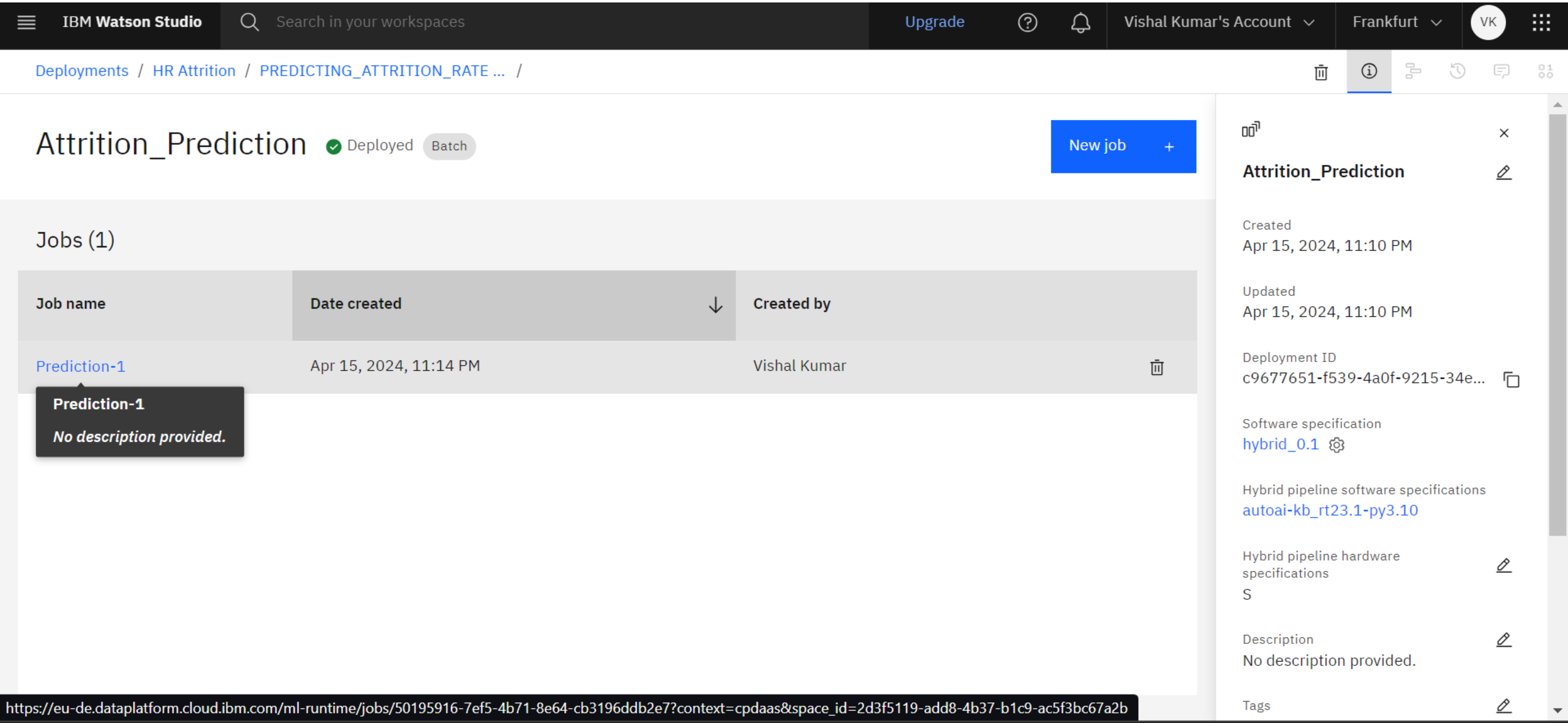
Step 39:- Select Input with form



Step 40:- You can give age as 30, BusinessTravel as Travel_Rarely and DailyRate as 500. Make sure that you have written exactly the same and click on Next



Step 41:- click on create and run



Step 42:- A new job has been created