

DEVELOPING A FLIGHT DELAY PREDICTION MODEL USING MACHINE LEARNING

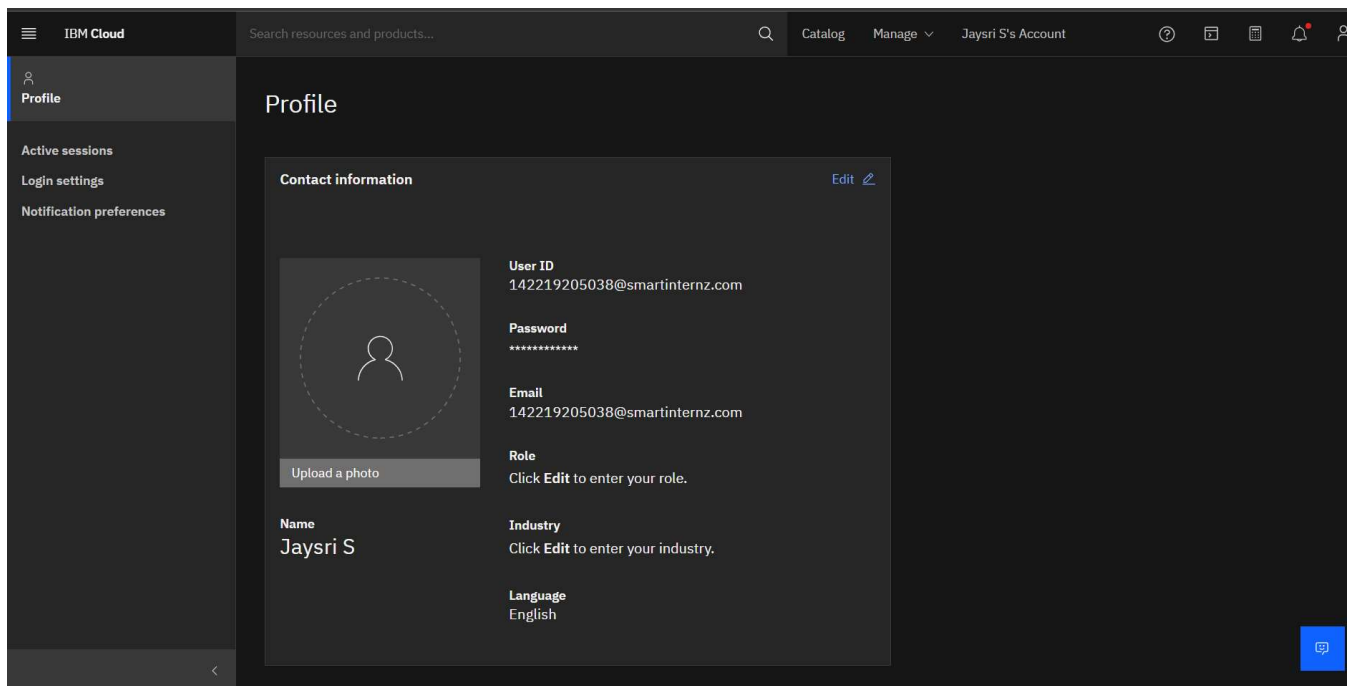
TEAM LEADER: Jaysri S

TEAM MEMBER 1: Beeulah Marry M

TEAM MEMBER 2: Hemalatha R

TEAM MEMBER 3: Priya Dharshini K

1. REGISTER FOR IBM



The screenshot displays the IBM Cloud user interface. On the left, a sidebar contains the 'Profile' link, which is highlighted. Below it are links for 'Active sessions', 'Login settings', and 'Notification preferences'. The main content area is titled 'Profile' and features a 'Contact information' section with an 'Edit' link. This section includes a profile picture placeholder with an 'Upload a photo' button. The user's details are as follows:

Field	Value
User ID	142219205038@smartinternz.com
Password	*****
Email	142219205038@smartinternz.com
Role	Click Edit to enter your role.
Name	Jaysri S
Industry	Click Edit to enter your industry.
Language	English

2. TRAIN THE MODEL ON IBM

The screenshot displays the IBM Watson Studio interface. At the top, a dark header bar contains the 'IBM Watson Studio' logo, a search bar, and user account information for 'Jaysri S's Account' in 'Dallas'. The main content area features a large 'Welcome, Jaysri!' message. Below this, three primary action cards are visible: 'Take a tutorial', 'Work with data', and 'Learn what's new'. To the right of these cards is a 3D visualization of blue and purple cubes. The bottom section of the dashboard is divided into four panels: 'Quick start' with five guided tasks, 'Projects' showing a 'Flight Delay prediction' project, 'Notifications' indicating no recent notifications, and 'Deployments' showing no deployment spaces with a button to create a new one. A 'New in gallery' section highlights a 'SAMPLE PROJECT' titled 'Text Analysis with Watson Natural Language...'. A vertical 'Feedback' button is located on the far right edge.

IBM Watson Studio

Search in your workspaces

Buy

Jaysri S's Account

Dallas

35

Welcome, Jaysri!

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

Work with data
Create a project for your team to prepare data, find insights, or build models.
→

Learn what's new
Stay current with new features, enhancements, and other changes.
→

Quick start

- Create data pipelines with DataStage
- Build customer profiles with IBM Match 360 with Watson
- Catalog and govern data with Watson Knowledge Catalog
- Build and manage ML models with Watson Studio
- Query data anywhere with Watson Query

Projects

Flight Delay prediction Today at 12:35 PM

New in gallery

SAMPLE PROJECT

Text Analysis with Watson Natural Language...

In this project, you will find examples on how to use Watson Natural Language Processing models to extract

Notifications

No notifications
You will see your most recent notifications here.

Deployments

No deployment spaces
After you create spaces, you'll see them here.

New deployment space +

Feedback

3. DEPLOYMENT ON CLOUD

```
In [52]: model_id

Out[52]: 'b5930d5e-993d-49e7-962e-af5e3c09b611'

In [54]: deployment_props = {
        wml_client.deployments.ConfigurationMetaNames.NAME: DEPLOYMENT_NAME,
        wml_client.deployments.ConfigurationMetaNames.ONLINE: {}
    }

In [55]: deployment = wml_client.deployments.create(
        artifact_uid = model_id,
        meta_props = deployment_props)

#####

Synchronous deployment creation for uid: 'b5930d5e-993d-49e7-962e-af5e3c09b611' started

#####

initializing
Note: online_url is deprecated and will be removed in a future release. Use serving_urls instead.

ready

-----
Successfully finished deployment creation, deployment_uid='74fb0eec-a7f5-4bb6-ab8b-d423e91a872c'
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In [ ]:
```