**Model Deployment and API Testing using Heroku and Postman**

Submitted By: Preeti Verma

Submitted To: Data Glacier

LISUM19

**The Dataset:**

I used a dataset from kaggle.com, with the URL: [Dataset](https://www.kaggle.com/datasets/anubhabswain/brain-weight-in-humans)

It gives us information regarding a person’s brain weight given other features like gender, age

and head size (in cm3).

**The Model:**

Since this deliverable focussed more on the deployment of the model rather than the performance of the model, I have used a simple Linear Regression Model to predict the weight of the brain

given user-entered attributes.

Below is the code to train and serialize the model into a pickle file. Pickle was used as it is

quite simple to use and understand.

**Model Deployment:**

Once we have our model stored in the pickle file, we can now go on and deploy the model using

Flask. In this step, we de-serialize the model back into a python object to send some unseen data into our model through our webpage and predict an output.

The python script for the deployment of our model is shown below.