**Model: Logistic Regression, Random Forest, XGBoost, SVM**

**Project: Stroke Prediction System**

**Install**

This project requires Python and the following Python libraries installed:

* Pandas
* Numpy
* Scikit-learn
* Matplotlib

You need to run this code in Google-Colab.

**Code**

The code is provided in the Stroke\_Prediction.ipynb notebook file. You will need a StrokePrediction.csv dataset file to complete your work.

**Run**

In a terminal or command window, run the following command:

python Stroke\_Prediction.ipynb

**Data**

Features:

• ID: Unique Id for every patient

• Gender: Represents male OR Female

• HyperTension: Whether the patient has hypertension or not

• Heart disease: The Patient has a heart disease or not

• Married: Status of marriage of patient

• Work Type: work profile of patient

• Residence: Residence of Patient (urban or rural)

• Glucose: Glucose Level of Patient

• BMI: Body Mass Index of Patient

• Smoking: Smoking Habit of Patient

Target Dataset. Stroke: Binary Value 0(no stroke) 1(Stroke Detected)