Project Summary:

Life expectancy refers to the number of years a person is expected to live based on the statistical average. This problem statement provides a way to predict average life expectancy of people living in a country when various factors such as year, GDP, education, alcohol intake of people in the country, expenditure on healthcare system and some specific disease related deaths that happened in the country are given.

Project Requirements:

Functional Requirements:

 Predicting LifeExpectancy rate of a country.

Technical Requirements:

Python

IBM Cloud

IBM Watson

Node-Red

Hardware Requirements:

1.Processor - i3 7th gen or higher

2.Speed - 2GHz or more

Project Deliverable:

 Given a form where several inputs are entered by the user (GDP, Status, education, mortality etc);the system predicts the Life Expectancy of the country.

Project Team:
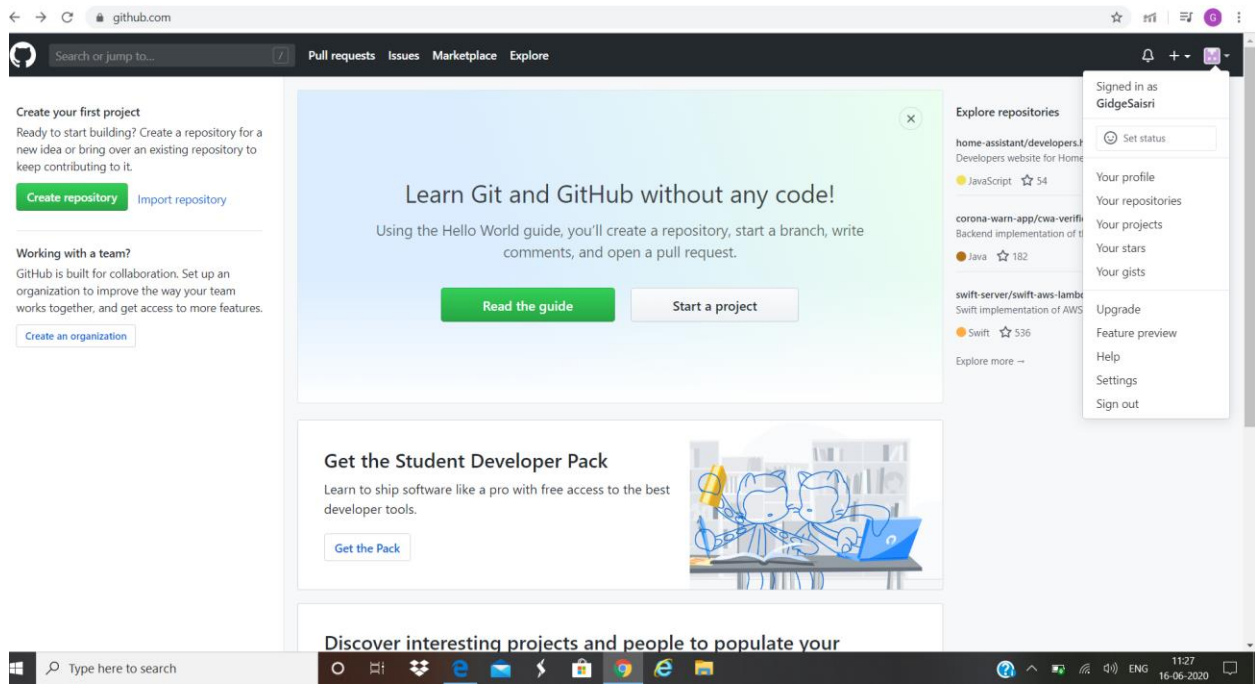
   Gidge. Saisri

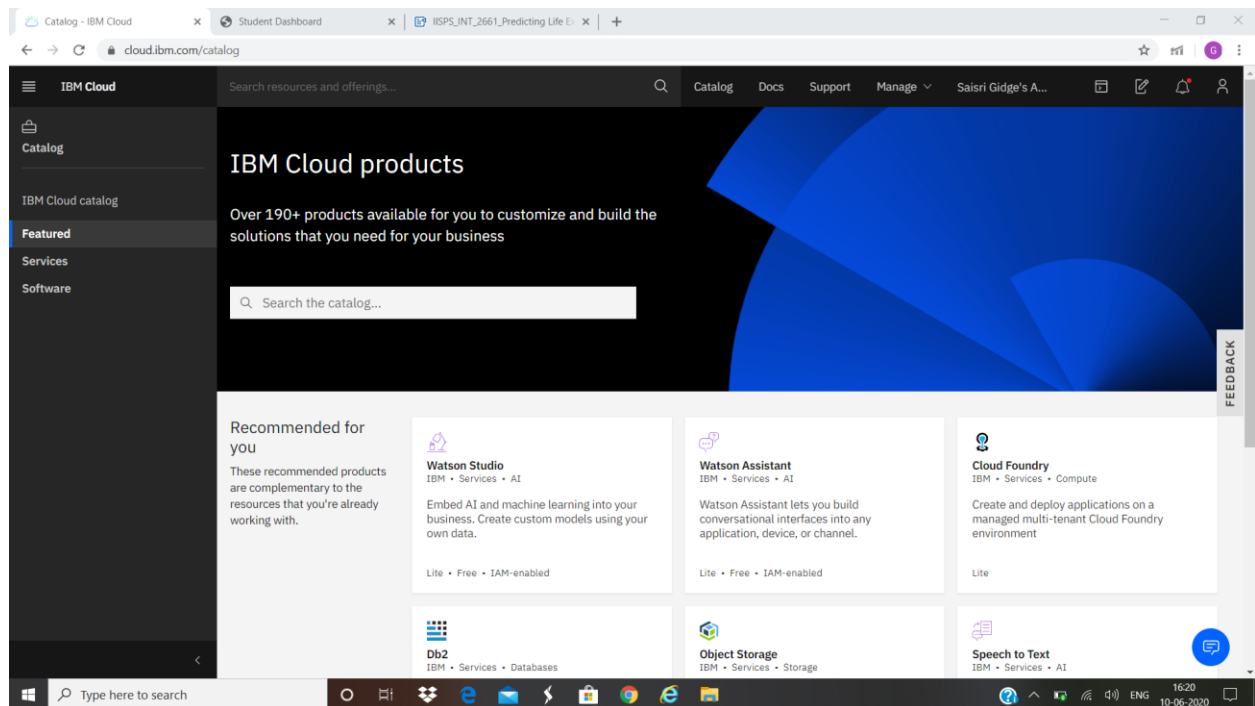   **gidgesaisri22@gmail.com**

PROJECT SCHEDULE:

   The project is to be completed in 1 month and work for atleast 5 days a week. The project can be divided into two phases, one to build the model and the other for UI.

SET UP THE DEVELOPMENT ENVIRONMENT:

GITHUB Account:

IBM cloud Account :

Node-RED Starter Application :

Creating a web page using node-red
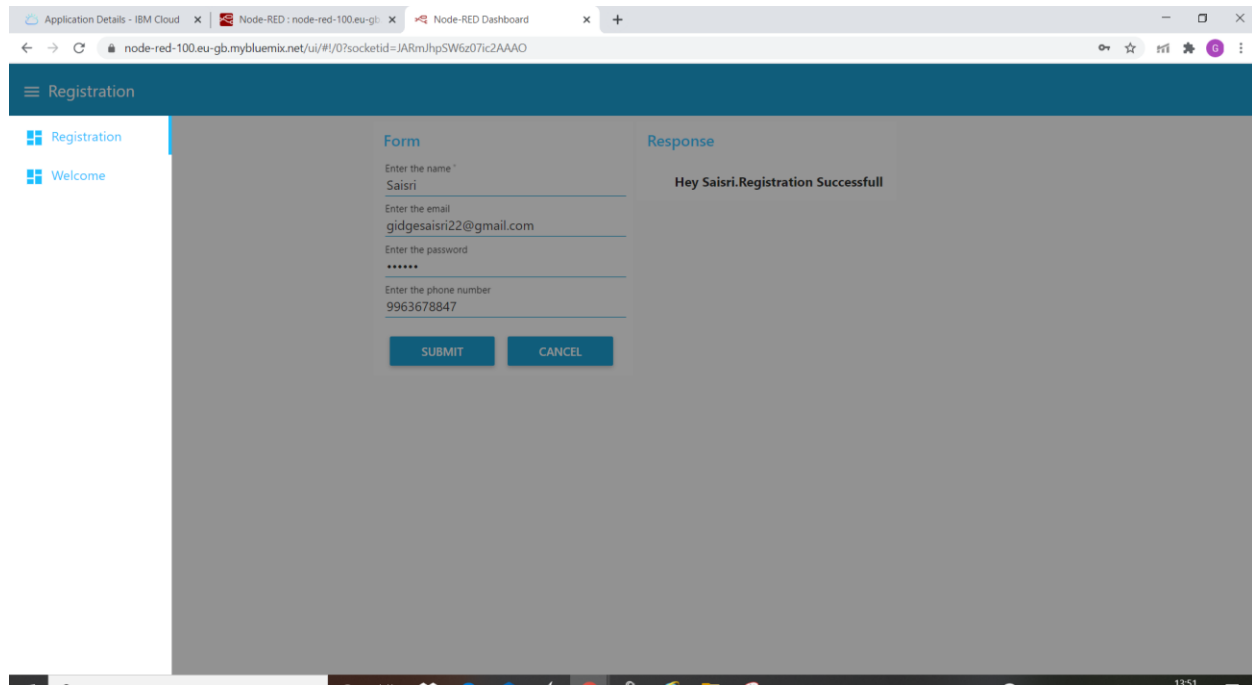
BUILDING OWN MODEL IN IBM WATSON STUDIO:
salary data:

PIPELINES:

AUTOMATE MACHINELEARNING MODEL:

node red deploy for salary data:

PREDICTING LIFE EXPECTANCY USING MACHINE LEARNING:

Collection of dataset:

Creating Necessary cloud service:
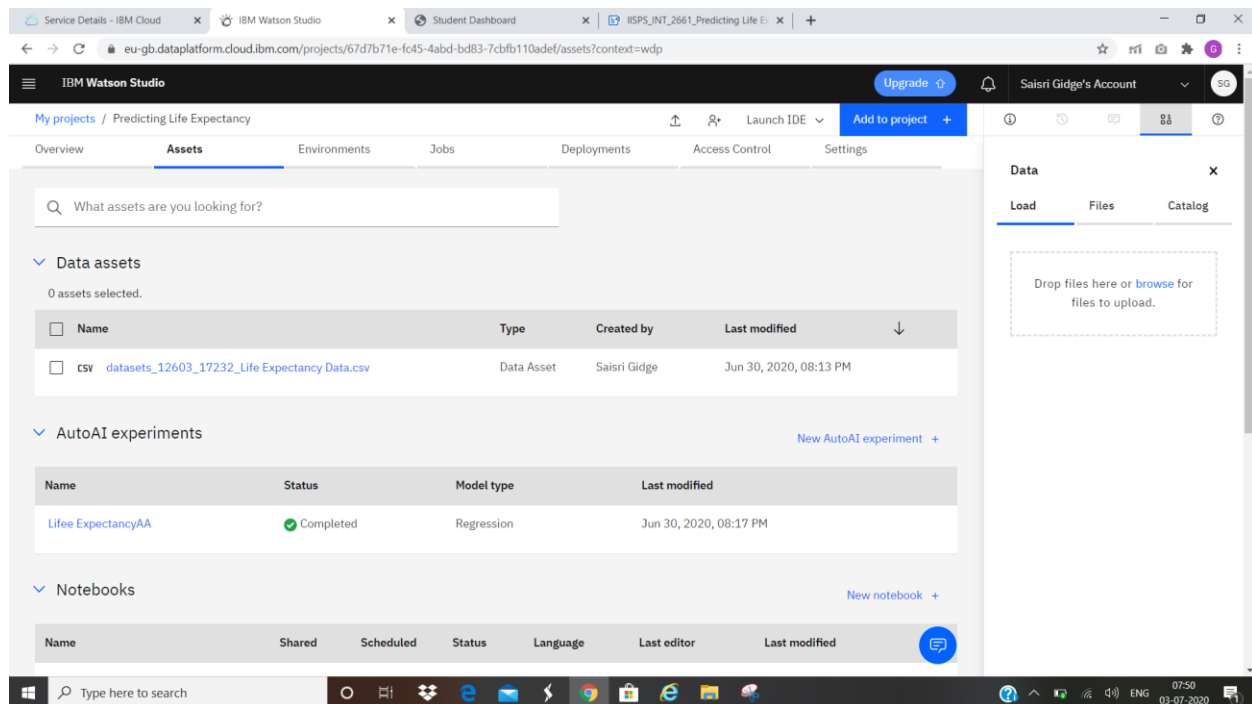
CREATE A WATSON STUDIO PROJECT:

CREATE A MACHINELEARNING SERVICE:

IMPORT DATASET AND CREATE AUTOAI EXPERIMENT:

AUTOAUI:

BUILD NODERED FLOW AND INTEGRATE INTO AUTOAI:

NODERED FLOW:
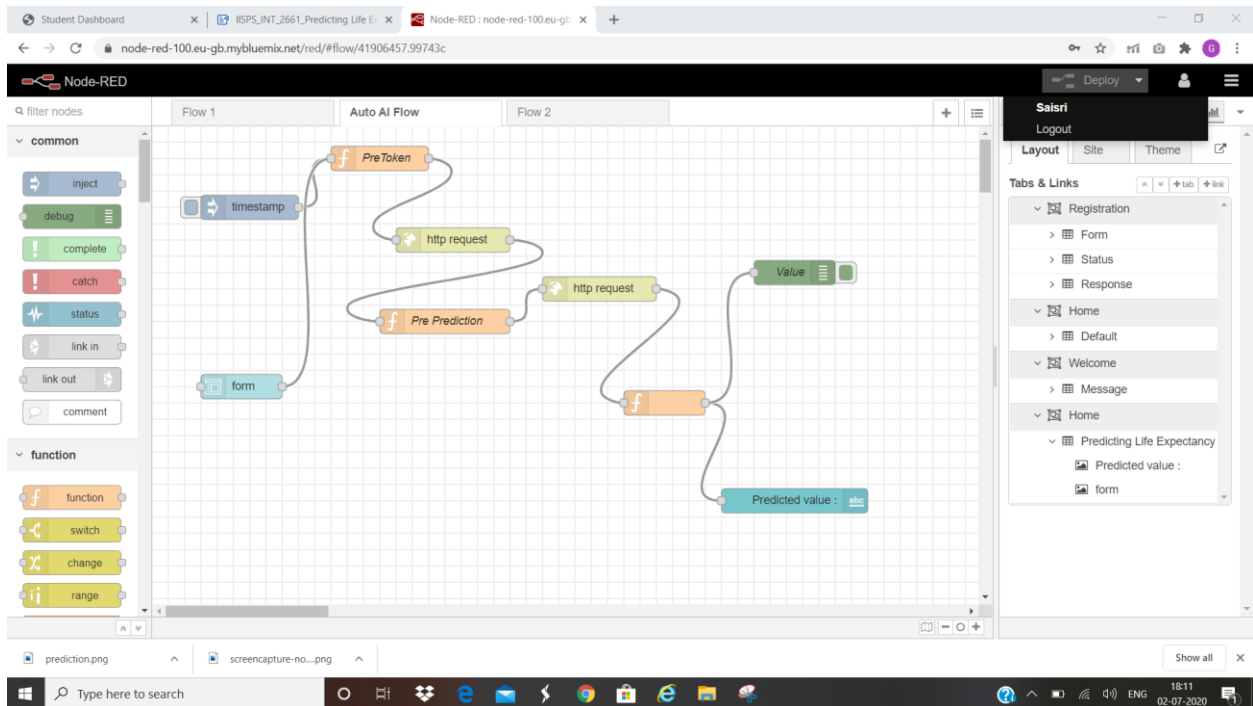
Salary prediction:

Predicting Life Expectancy

Predicted value : **63.55000038146973**

Country *
Afghanisthan

Year
2015

Status
developing

Adult Mortality
263

infant deaths
62

Alcohol
0.01

percentage expenditure
71.23435

Hepatitis B
65

Measles
1154

BMI
19.1

under-five deaths
83

Polio
6

Total expenditure
8.16

Diphtheria
65

HIV/AIDS
0.1

GDP
584.2567

Population
33736494

thinness 1-19 years
17.2

thinness 5-9 years
17.3

Income composition of resources
0.479

Schooling
10.1

PREDICT   **CANCEL**