

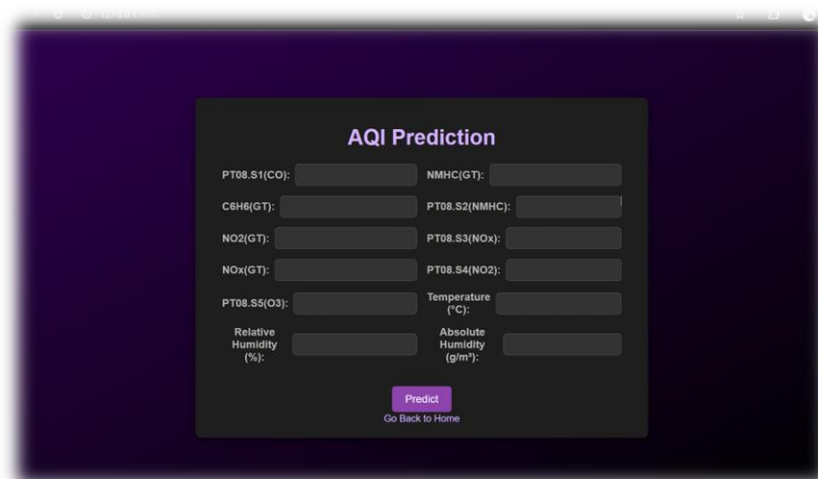
AIML ASSIGNMENT – 2

FLASK APP

AQI Prediction and Monitoring for Air Quality Assessment

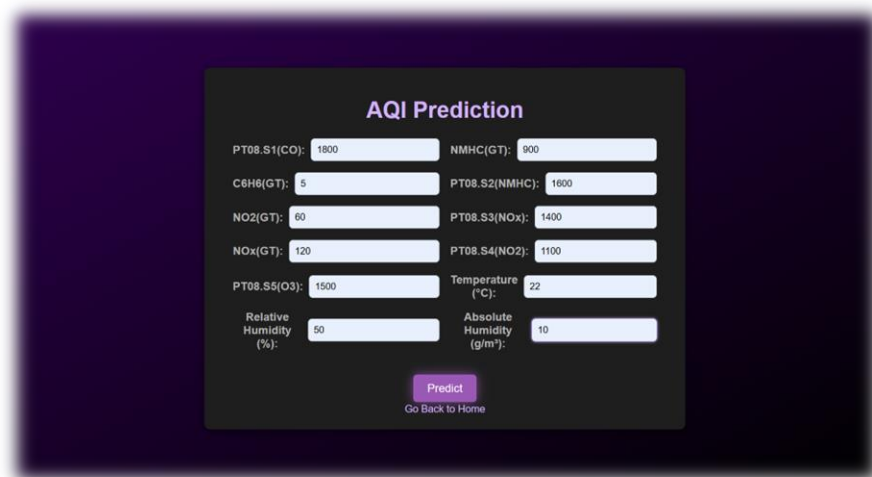
IMAGES OF THE RUNNING PROJECT

So the basic home page of the the AQI predictor looks like this where we need to input the data and predict the air quality for the given area.



The screenshot shows the 'AQI Prediction' app interface. It features a dark purple background with a central white card containing the title 'AQI Prediction' in red. Below the title, there are ten input fields arranged in two columns. The left column includes fields for PT08.S1(CO), C6H6(GT), NO2(GT), NOx(GT), PT08.S5(O3), and Relative Humidity (%). The right column includes fields for NMHC(GT), PT08.S2(NMHC), PT08.S3(NOx), PT08.S4(NO2), Temperature (°C), and Absolute Humidity (g/m³). At the bottom of the card, there is a red 'Predict' button and a smaller link 'Go Back to Home'.

AFTER PUTTING THE VALUES WE NEED TO CLICK ON PREDICT AND IT WILL GIVE US THE AIR QUALITY INDEX OF THAT PARTICULAR AREA



This screenshot shows the same 'AQI Prediction' app interface, but with numerical values entered into all the input fields. The values are: PT08.S1(CO): 1800, NMHC(GT): 900, C6H6(GT): 5, PT08.S2(NMHC): 1600, NO2(GT): 60, PT08.S3(NOx): 1400, NOx(GT): 120, PT08.S4(NO2): 1100, PT08.S5(O3): 1500, Temperature (°C): 22, Relative Humidity (%): 50, and Absolute Humidity (g/m³): 10. The red 'Predict' button and 'Go Back to Home' link are still visible at the bottom.

THE RESULT COMES OUT TO BE 150 THAT SAYS THAT IT IS UNHEALTHY FOR SENSITIVE PEOPLE WHO HAVE LUNGS RELATED PROBLEM OR MANY SENSITIVE GROUPS SUFFERING FROM SOME DISEASE OR HAVING ISSUES WITH HEALTH.

