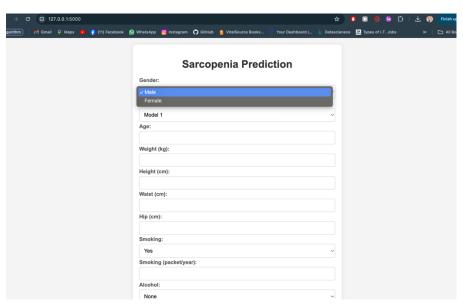# Sarcopenia Prediction
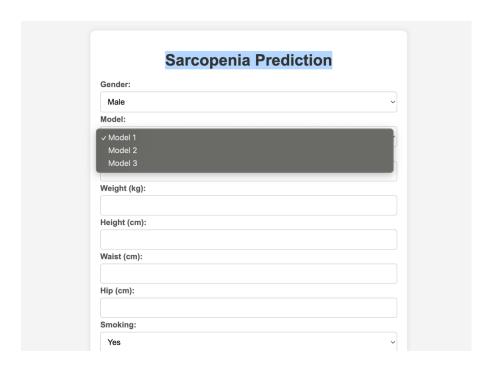
Outputs on website
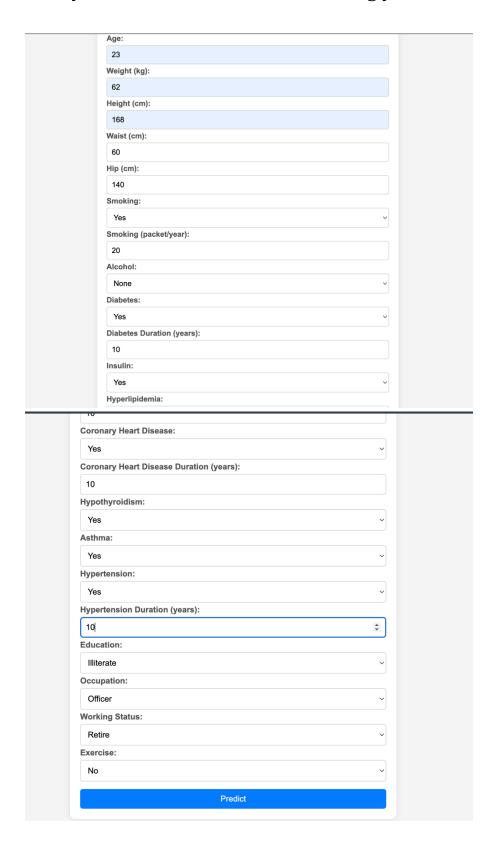
1. Choose Either male or female
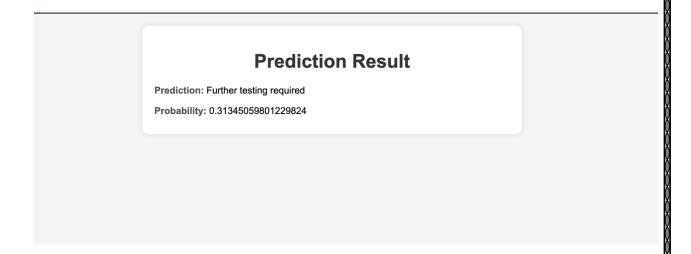

2. Then the model

3. Now you can fill the features accordingly.

Age:
23

Weight (kg):
62

Height (cm):
168

Waist (cm):
60

Hip (cm):
140

Smoking:
Yes

Smoking (packet/year):
20

Alcohol:
None

Diabetes:
Yes

Diabetes Duration (years):
10

Insulin:
Yes

Hyperlipidemia:

Coronary Heart Disease:
Yes

Coronary Heart Disease Duration (years):
10

Hypothyroidism:
Yes

Asthma:
Yes

Hypertension:
Yes

Hypertension Duration (years):
10

Education:
Illiterate

Occupation:
Officer

Working Status:
Retire

Exercise:
No

Predict

4. Then you can hit predict to get the output.

Prediction Result

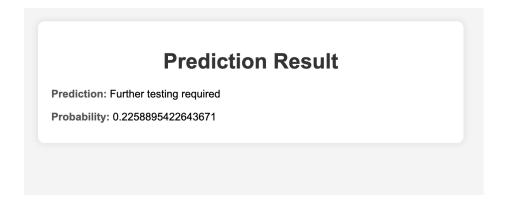**Prediction:** Further testing required

Probability: 0.31345059801229824

This is for a Male with model 1 output and can do the other 5 models accordingly.
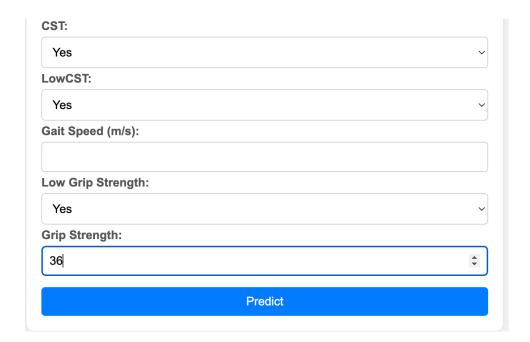
5. For Model 2 and Model 3 we have extra features.

Model 2

CST:

Yes

LowCST:

Yes

Gait Speed (m/s):

28

Predict

Male Model2 result. (Continuation of the above model1).

Prediction Result

Prediction: Further testing required

Probability: 0.2258895422643671

Model3

CST:

Yes

LowCST:

Yes

Gait Speed (m/s):

Low Grip Strength:

Yes

Grip Strength:

36

Predict

Male Model2 result. (Continuation of the above model1).

Prediction Result

Prediction: Negative

Probability: 0.034735835245761855

6. The same data on a female.
   Model1

Prediction Result

Prediction: Negative

Probability: 0.034735835245761855

Model2

Prediction Result

Prediction: Further testing required

Probability: 0.2258895422643671

Model3

Prediction Result

Prediction: Further testing required

Probability: 0.3429074863266388