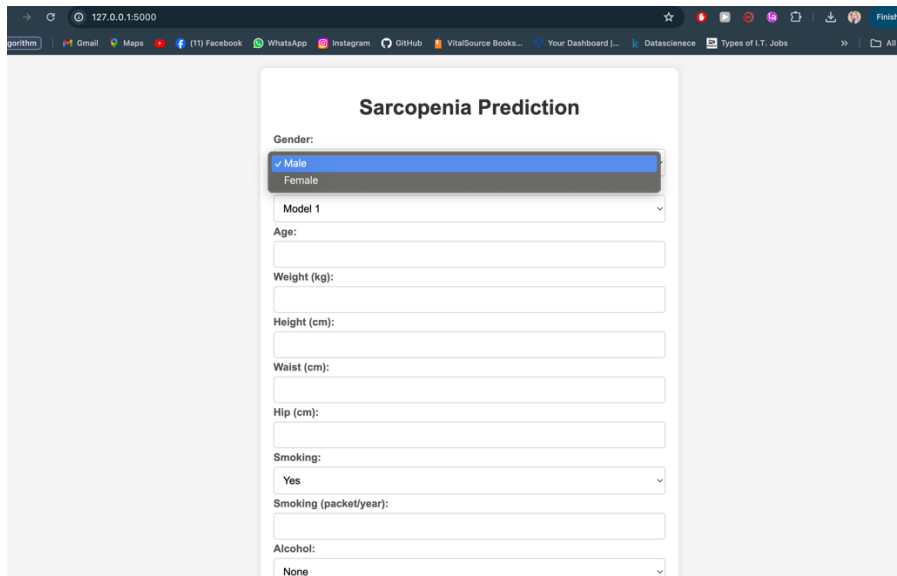


Sarcopenia Prediction

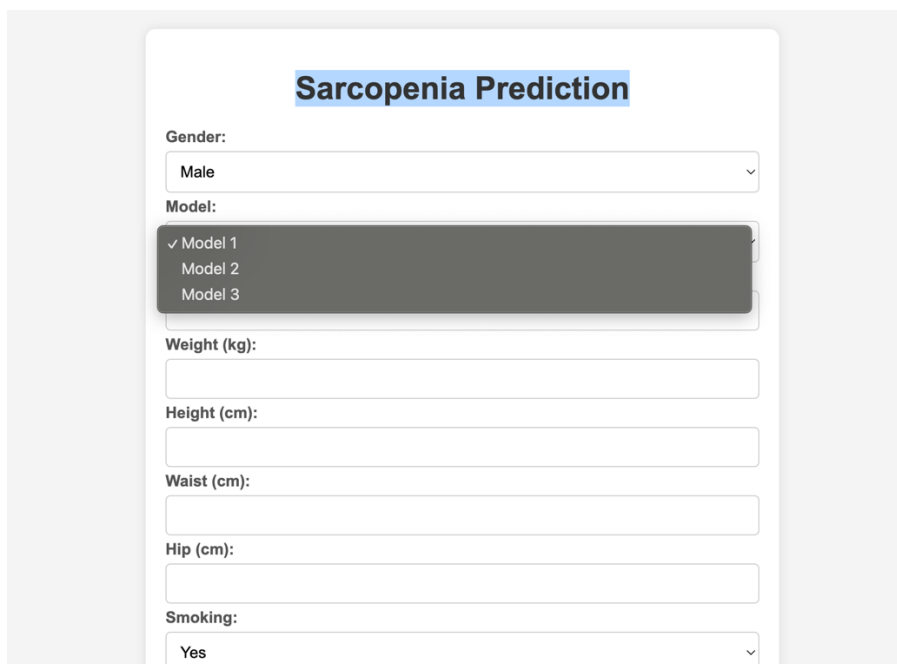
Outputs on website

1. Choose Either male or female



A screenshot of a web browser displaying the 'Sarcopenia Prediction' form. The browser's address bar shows '127.0.0.1:5000'. The form has a title 'Sarcopenia Prediction'. The 'Gender:' dropdown menu is open, showing 'Male' (selected) and 'Female'. Below it, the 'Model:' dropdown menu is also open, showing 'Model 1' (selected). The form includes input fields for 'Age:', 'Weight (kg):', 'Height (cm):', 'Waist (cm):', 'Hip (cm):', 'Smoking (packet/year):', and 'Alcohol:'. The 'Smoking:' dropdown menu is set to 'Yes', and the 'Alcohol:' dropdown menu is set to 'None'.

2. Then the model



A screenshot of the 'Sarcopenia Prediction' form. The 'Gender:' dropdown menu is set to 'Male'. The 'Model:' dropdown menu is open, showing 'Model 1' (selected), 'Model 2', and 'Model 3'. The form includes input fields for 'Weight (kg):', 'Height (cm):', 'Waist (cm):', 'Hip (cm):', 'Smoking (packet/year):', and 'Alcohol:'. The 'Smoking:' dropdown menu is set to 'Yes'.

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:	No
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