



HEART DISEASE PREDICTION

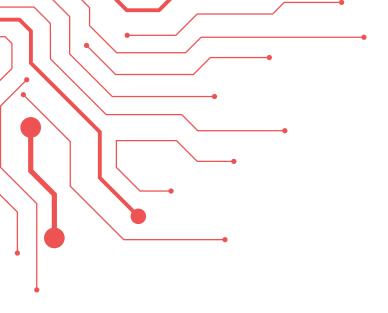
Group 5:

Aditi Deshmukh: 24030242004

Yugal Mittal: 24030242077

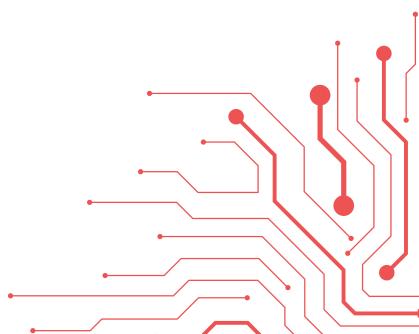
Ramanan Kartikh: 24030242080

Advika Choudhary: 24030242082



PROJECT FLOW







DATASET

age sex	chest_pain_type	resting_blood_pressure cholest	oral fasting_blood_sugar	rest_ecg	Max_heart_rate exercise_induced_angina	oldpeak slope	vessels_colored_by_flourosopy	thalassemia	target
52 Male	Typical angina	125	212 Lower than 120 mg/ml	ST-T wave abnormality	168 No	1 Downsloping	Two	Reversable Defect	0
53 Male	Typical angina	140	203 Greater than 120 mg/ml	Normal	155 Yes	3.1 Upsloping	Zero	Reversable Defect	(
70 Male	Typical angina	145	174 Lower than 120 mg/ml	ST-T wave abnormality	125 Yes	2.6 Upsloping	Zero	Reversable Defect	(
61 Male	Typical angina	148	203 Lower than 120 mg/ml	ST-T wave abnormality	161 No	0 Downsloping	One	Reversable Defect	(
62 Female	Typical angina	138	294 Greater than 120 mg/ml	ST-T wave abnormality	106 No	1.9 Flat	Three	Fixed Defect	(
58 Female	Typical angina	100	248 Lower than 120 mg/ml	Normal	122 No	1 Flat	Zero	Fixed Defect	
58 Male	Typical angina	114	318 Lower than 120 mg/ml	Left ventricular hypertrophy	140 No	4.4 Upsloping	Three	Normal	
55 Male	Typical angina	160	289 Lower than 120 mg/ml	Normal	145 Yes	0.8 Flat	One	Reversable Defect	(
46 Male	Typical angina	120	249 Lower than 120 mg/ml	Normal	144 No	0.8 Downsloping	Zero	Reversable Defect	(
54 Male	Typical angina	122	286 Lower than 120 mg/ml	Normal	116 Yes	3.2 Flat	Two	Fixed Defect	
71 Female	Typical angina	112	149 Lower than 120 mg/ml	ST-T wave abnormality	125 No	1.6 Flat	Zero	Fixed Defect	
43 Female	Typical angina	132	341 Greater than 120 mg/ml	Normal	136 Yes	3 Flat	Zero	Reversable Defect	
34 Female	Atypical angina	118	210 Lower than 120 mg/ml	ST-T wave abnormality	192 No	0.7 Downsloping	Zero	Fixed Defect	
51 Male	Typical angina	140	298 Lower than 120 mg/ml	ST-T wave abnormality	122 Yes	4.2 Flat	Three	Reversable Defect	(
52 Male	Typical angina	128	204 Greater than 120 mg/ml	ST-T wave abnormality	156 Yes	1 Flat	Zero	No	(
34 Female	Atypical angina	118	210 Lower than 120 mg/ml	ST-T wave abnormality	192 No	0.7 Downsloping	Zero	Fixed Defect	
51 Female	Non-anginal pain	140	308 Lower than 120 mg/ml	Normal	142 No	1.5 Downsloping	One	Fixed Defect	1
54 Male	Typical angina	124	266 Lower than 120 mg/ml	Normal	109 Yes	2.2 Flat	One	Reversable Defect	
50 Female	Atypical angina	120	244 Lower than 120 mg/ml	ST-T wave abnormality	162 No	1.1 Downsloping	Zero	Fixed Defect	
58 Male	Non-anginal pain	140	211 Greater than 120 mg/ml	Normal	165 No	0 Downsloping	Zero	Fixed Defect	
60 Male	Non-anginal pain	140	185 Lower than 120 mg/ml	Normal	155 No	3 Flat	Zero	Fixed Defect	
67 Female	Typical angina	106	223 Lower than 120 mg/ml	ST-T wave abnormality	142 No	0.3 Downsloping	Two	Fixed Defect	
45 Male	Typical angina	104	208 Lower than 120 mg/ml	Normal	148 Yes	3 Flat	Zero	Fixed Defect	
63 Female	Non-anginal pain	135	252 Lower than 120 mg/ml	Normal	172 No	0 Downsloping	Zero	Fixed Defect	
42 Female	Non-anginal pain	120	209 Lower than 120 mg/ml	ST-T wave abnormality	173 No	0 Flat	Zero	Fixed Defect	
61 Female	Typical angina	145	307 Lower than 120 mg/ml	Normal	146 Yes	1 Flat	Zero	Reversable Defect	(

No of Rows: 14

No of Columns: 1025

Column Name: Description

age: Age of the patient (in years).

sex: Gender of the patient (1 = male, 0 = female).

chest_pain_type: Type of chest pain (e.g., typical angina, atypical angina, non-anginal pain, asymptomatic).

resting_blood_pressure: Resting blood pressure (in mm Hg).

cholestoral: Serum cholesterol level (in mg/dl).

fasting_blood_sugar: Fasting blood sugar > 120 mg/dl (1 = true, 0 = false).

rest_ecg: Resting electrocardiographic results (e.g., normal, ST-T abnormality, LV hypertrophy).

Max_heart_rate: Maximum heart rate achieved during exercise.

exercise_induced_angina: Exercise-induced angina (1 = yes, 0 = no).

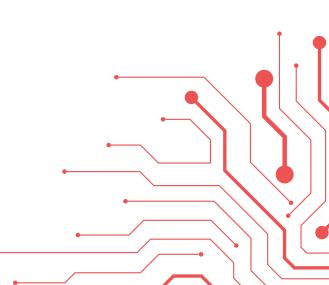
oldpeak: Depression induced by exercise relative to rest (ST depression).

slope: Slope of the peak exercise ST segment (upsloping, flat, downsloping).

vessels_colored_by_flourosopy: Number of major vessels colored by fluoroscopy (0-3).

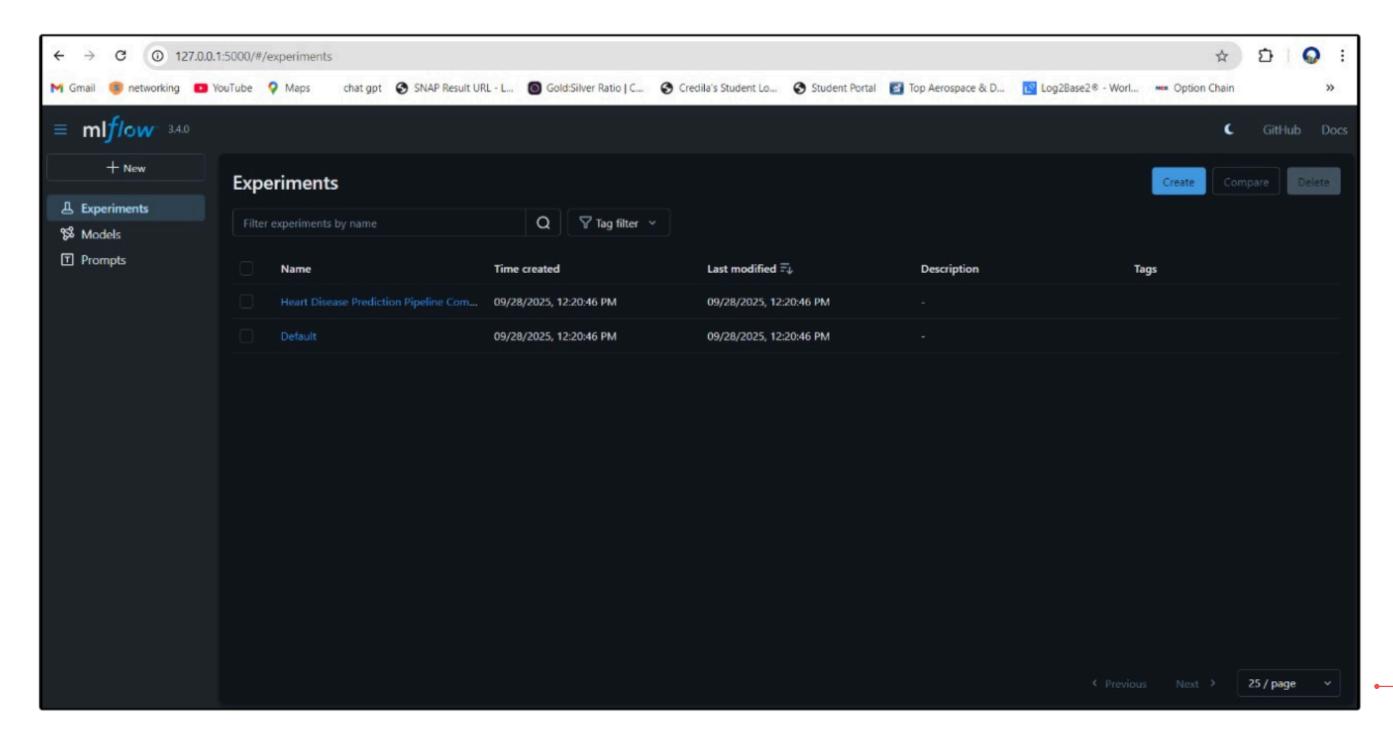
thalassemia: A blood disorder (e.g., normal, fixed defect, reversible defect).

target: Diagnosis of heart disease (1 = disease present, 0 = no disease).

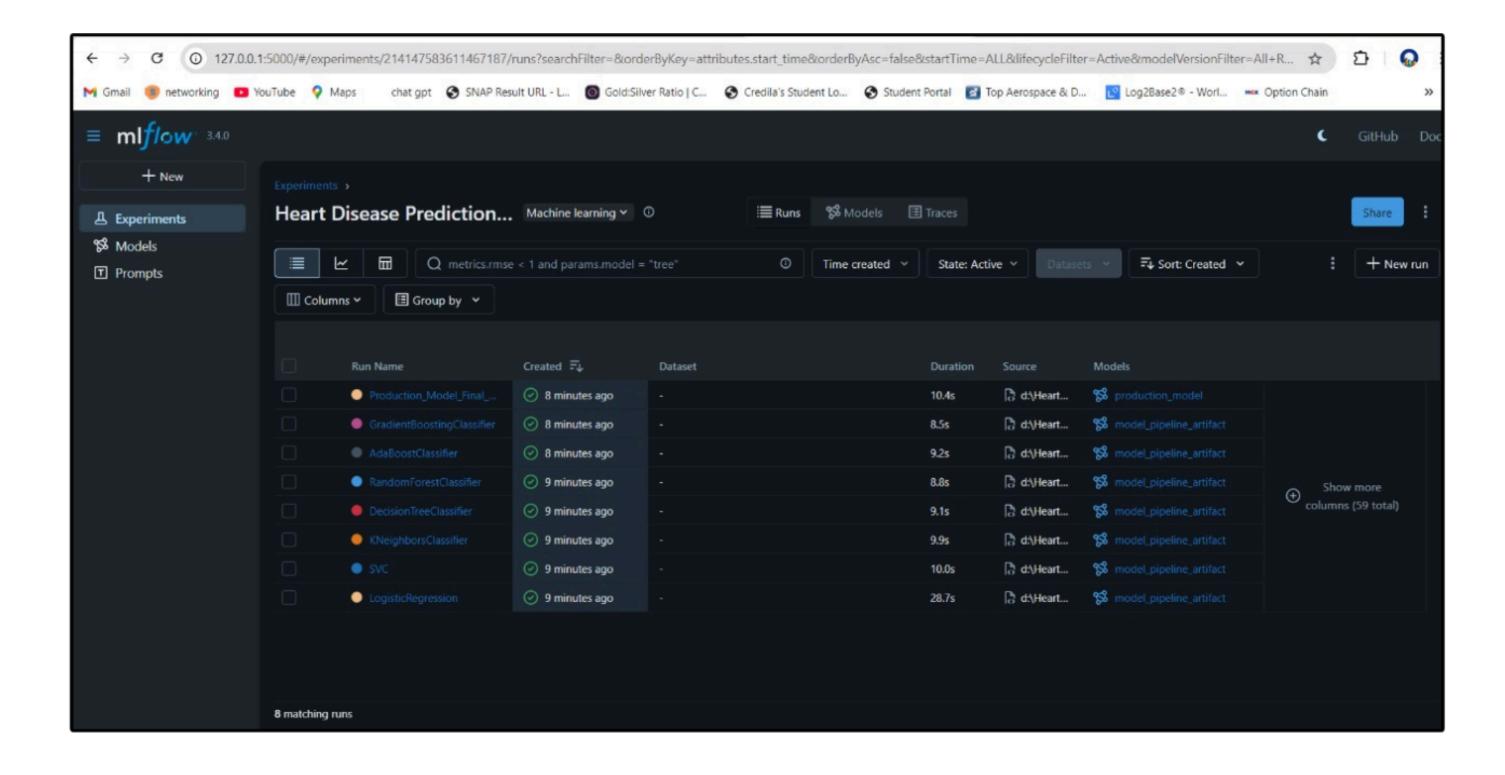


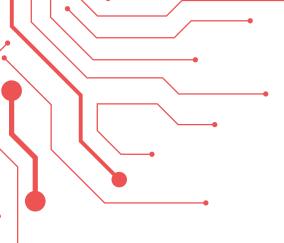


ML FLOW MODEL

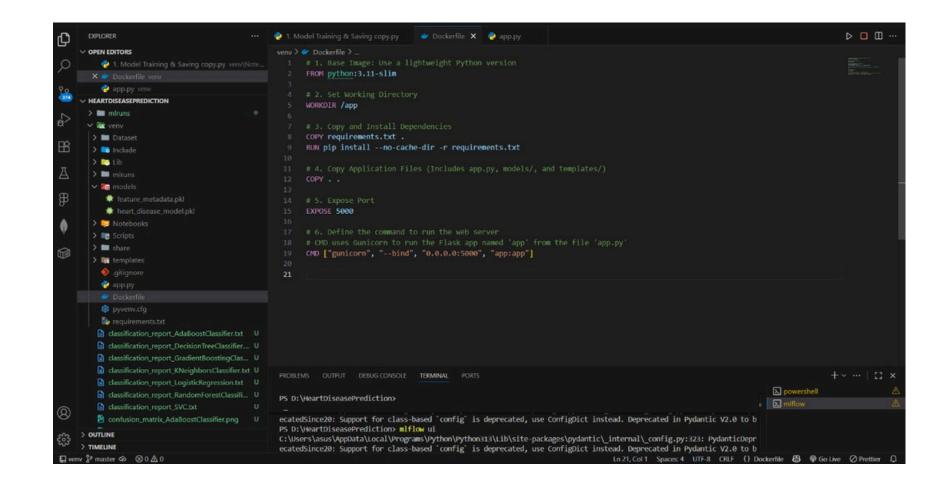


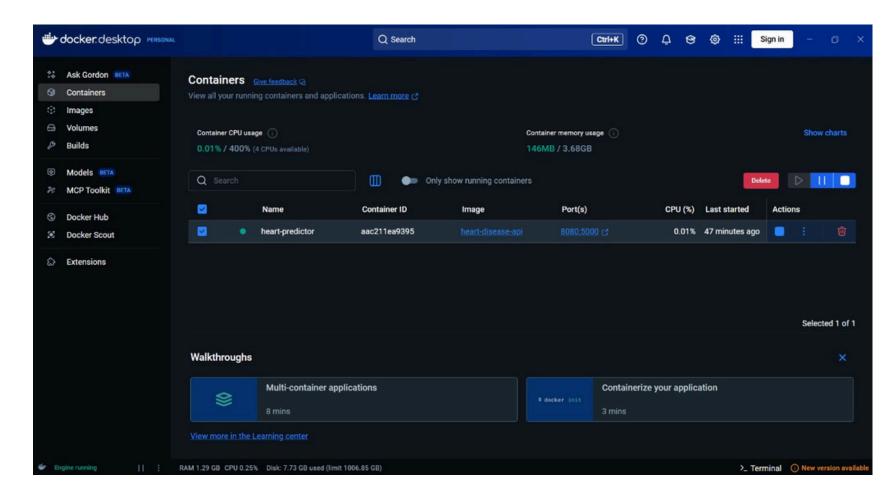
ML FLOW TRACKING





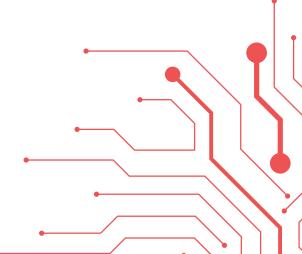
DOCKERIZATION





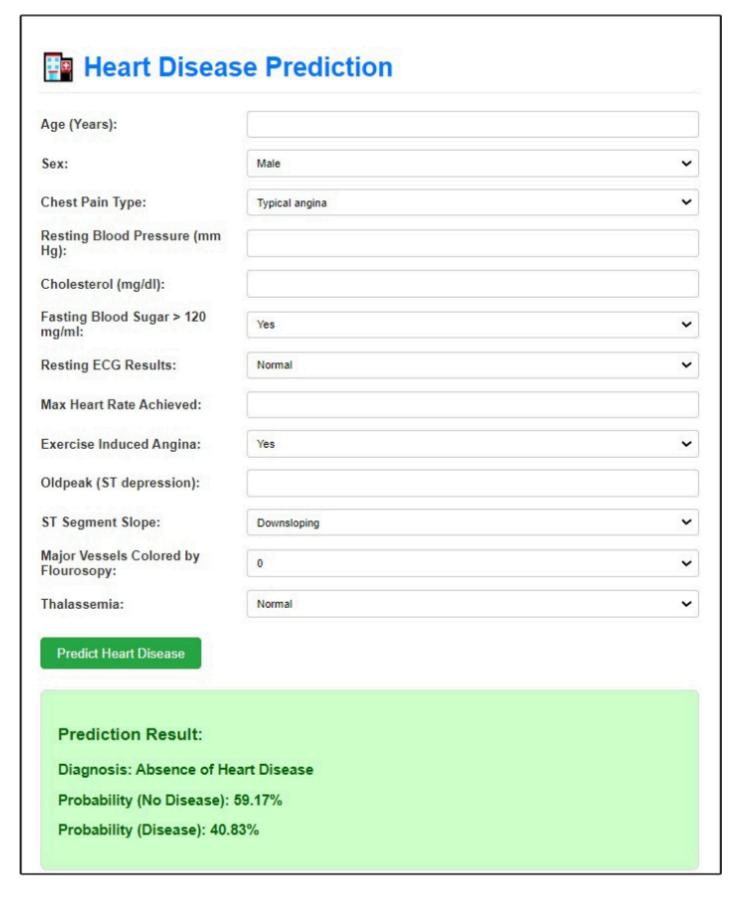
DOCKER FILE

CONTAINER

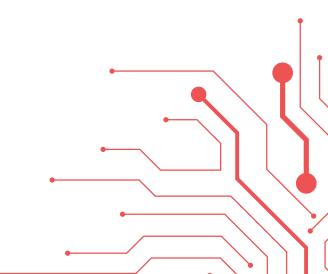


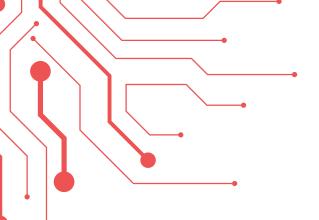


USER INTERFACE

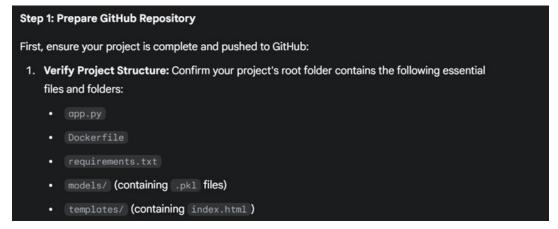


LINK: http://localhost:8080/

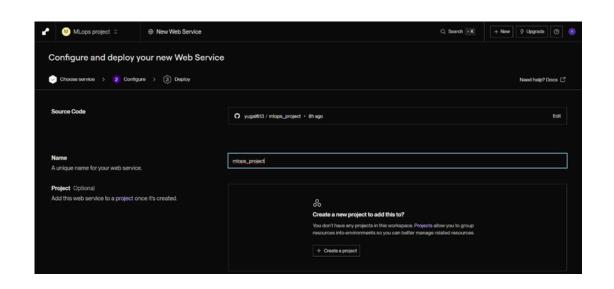




RENDERING STEPS

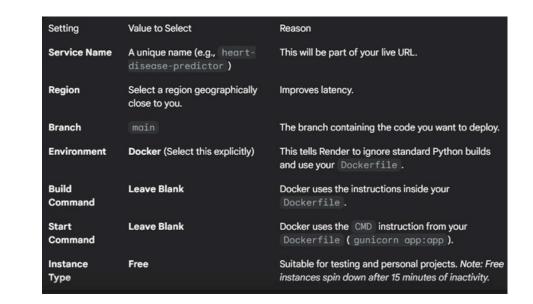


PREPARING GIT REPOSITORY



Create a new Services

SELECTING WEB SERVICES

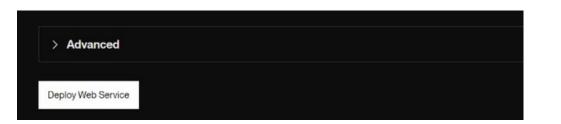


Configure and deploy your new Web Service

Choose service >
Choose service >
Connect Code

Connect Git provider

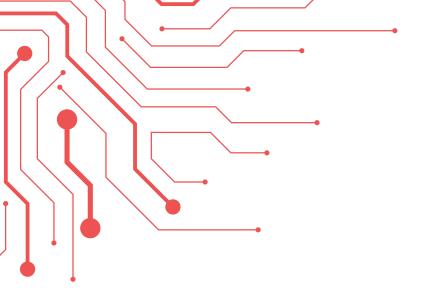
CONNECTING TO GITHUB REPOSITORY



DEPLOYING WEB SERVICES









THANKYOU



