Detect Heart Disease using patient data.

Objective

Build a system that can predict if a patient has heart disease. Explore the data, understand the features, and figure out an approach.

Dataset

This dataset contains data about patient vitals and heart disease(if any) of the same.

Description of columns:

Attribute	**Code given**	**Unit**	**Data type**
age	Age	in years	Numeric
sex	Sex	0 = female, 1 = male	Binary
chest pain type	chest pain type	1 = typical angina, 2 = atypical angina, 3 = non-anginal pain, 4 = asymptomatic	Nominal
resting blood pressure	resting bp s	in mm Hg	Numeric
serum cholesterol	cholesterol	in mg/dl	Numeric
fasting blood sugar	fasting blood sugar	1 = sugar > 120mg/dL 0 = sugar < 120mg/dL	Binary
resting electrocardiogram results	resting ecg	0 = normal, 1 = ST-T wave abnormality (T wave inversions and/or ST elevation/depression of > 0.05 mV), 2 = Probable or Definite Left Ventricular hypertrophy by Estes' criteria	Nominal
maximum heart rate achieved	max heart rate	71–202	Numeric
exercise induced angina	exercise angina	0 = no, 1 = yes	Binary
oldpeak =ST	oldpeak	depression	Numeric
the slope of the peak exercise ST segment	ST slope	1 = upward 2 = flat, 3 = downward	Nominal
class	target	0 = Normal, 1 = Heart Disease	Binary