

Configuration

Select Dataset **Breast Cancer** Select ML Model ? SVM

About

This app uses state-of-theart machine learning models to predict cancer diagnosis.

Models Available:

- SVM (Support Vector Machine)
- Random Forest
- XGBoost
- LightGBM
- CatBoost



Next-Gen Cancer Classifier

Advanced Machine Learning for Medical Diagnosis

Wisconsin Breast Cancer Dataset - Predict whether a tumor is malignant or benign

Make Prediction Model Comparison i About Dataset

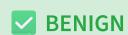
Input Features

Adjust the sliders to input tumor characteristics:

Mean Radius 14.00	② 	Mean Texture 20.00	② ———	Mean Perimeter	②
Mean Area 600.00	② ———	Mean Smoothness	②	Mean Compactness 0.10	②
Mean Concavity 0.09	?	Mean Concave Points 0.05	⑦	Mean Symmetry 0.18	②
Mean Fractal Dimension 0.06	?	Radius Error 0.40	②	Texture Error 1.20	②
Perimeter Error 2.90	③	Area Error 40.00	② ———	Smoothness Error	?
Compactness Error 0.03	?	Concavity Error	②	Concave Points Error	②
Symmetry Error 0.02	?	Fractal Dimension Error	?	Worst Radius	?
Worst Texture 25.00	?	Worst Perimeter	③	Worst Area 880.00	②
Worst Smoothness	?	Worst Compactness 0.25	③	Worst Concavity 0.27	②
Worst Concave Points 0.11	②	Worst Symmetry 0.29	②	Worst Fractal Dimension 0.08	②



Prediction Results



The tumor is predicted to be non-cancerous

Prediction Confidence

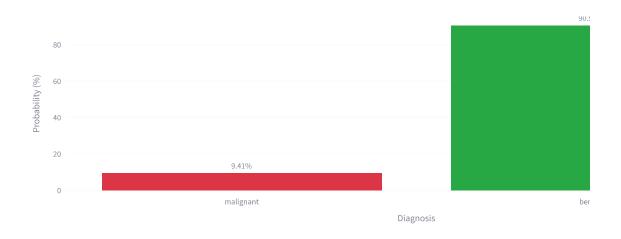
Confidence Score ②

Model Used ③

90.59%

SVM

Class Probabilities



Medical Disclaimer: This tool is for educational and research purposes only. It should NOT be used as a substitute for professional medical diagnosis or treatment. Always consult qualified healthcare professionals for medical advice.