

# README - Flask ML Health Care Project

# Flask Machine Learning Health Care Project

## ## Overview

This project is a Flask web application integrating multiple machine learning models for disease prediction. It supports prediction of diseases related to heart, liver, brain tumors, and others through web interfaces.

## ## Features

- Symptom-based disease prediction.
- Brain tumor detection via image upload and pre-trained CNN model.
- Heart disease risk prediction using user input data.
- Liver disease prediction with clinical parameters.
- Includes additional pages for appointment requests, about, and contact information.

## ## Technologies Used

- Flask (Python Web Framework)
- TensorFlow / Keras for deep learning models
- Scikit-learn for classical ML models
- HTML/CSS for front-end templates

## ## Application Structure

- `app.py` - Main Flask app routes and logic.
- `Disease\_Prediction.py` - Module for symptom-based prediction.
- `heart.py` - Module for heart disease model training and prediction.

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- ``liver.py`` - Module for liver disease model training and prediction.
- ``static/`` - Folder containing static assets like uploaded images.
- ``templates/`` - HTML templates for rendering pages.

## ## How to Run

1. Ensure you have Python and required libraries installed.
2. Run the Flask app: ``python app.py``
3. Open browser at ``http://localhost:5000`` to use the application.