

# Heart & Care

**A Web Tech - II Project**

By : R V Prithvi

# Introduction

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- This project helps in predicting the condition of your heart, given some unput parameters.
- The user has to key-in the following details :
  - Age
  - Location
  - Gender
  - Chest pain typr
  - Resting blood pressure
  - Serum Cholesyerol
  - Fasting blood sugar
  - And so on ...
- The server takes these as input and predicts whether your heart is healthy or not.

# Technologies and Frameworks Used

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- Client side:
  - HTML
  - CSS
  - Javascript
- Flask (Python) framework
- Django for Database

# AJAX Patterns Used

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- Multi-stage download
  - Used in the Home page for loading the image and video.
- Predictive fetch
  - Used to display the list of doctors in your place i,n case of an unhealthy heart.

# Intelligent Component

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- SVM (Support Vector Machine) algorithm is used to predict the condition of the heart.
- Support Vector Machines (SVM) can be employed for classification and regression, but this algorithm is chiefly used in classification problems that require division of a dataset into two classes by a hyperplane
- The algorithm takes in the user input and based on the already existing data predicts whether the heart is healthy or not.

**Thank You**