Project Design

Phase-I Solution

Architecture

Date	29 October 2023
Team Members	Sanginei Meghasyam 21BCE9828 Regalla Venkata Govardhan Reddy 21BCE9831
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dashboard
Maximum Marks	4 Marks

Solution Architecture:

It predicts heart disease using Machine learning prediction process by real time data. It offers personalized heart disease risk assessments by considering both health data and lifestyle choices, empowering users with tailored recommendations. This project bridges the gap between data analytics and preventive healthcare, promoting awareness of heart disease risk factors and supporting professionals in patient care. This solution positively impacts society by enabling early detection of heart disease, promoting timely medical attention, reducing healthcare costs, and enhancing overall public health.

Our solution leverages Data Visualization techniques to address heart disease prediction effectively.

- Data Ingestion
- Data Storage
- Data Preprocessing
- Model Development
- Interactive Dashboard
- Data privacy and Security
- Continuous Monitoring and Maintenance
- Scaling

Solution Architecture Diagram