Heart Disease Prediction

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Creating a heart disease prediction project using AI/ML (Artificial Intelligence and Machine Learning) is a significant and impactful endeavor. The goal of such a project is to predict the likelihood of a patient having heart disease based on various medical parameters. We typically use a dataset that contains various patient features (like age, cholesterol levels, blood pressure, etc.) and a label indicating whether or not they have heart disease. The Cleveland Heart Disease dataset from the UCI Machine Learning Repository is commonly used. It contains different records with various attributes. Use techniques like correlation matrices, Chi-square tests, or PCA (Principal Component Analysis) to identify the most significant features. Make sure the model's predictions are explainable and justifiable, especially in a healthcare context.