MLOPS – Heart Disease Prediction

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Abstract— Effective prevention and management of cardiovascular disease (CVD) depend heavily on early detection and risk assessment, as this condition is the high cause of death . A potent tool for enhancing CVD detection and risk prediction is machine learning (ML). This abstract gives a general overview of the function of ML in the detection of CVD, concentrating on recent advancements and important methodologies. The prevalence and effects of CVD on global health are first described in this review, with a focus on the importance of prompt and accurate detection. Subsequently, it explores the diverse categories of data sources frequently employed in CVD identification, such as wearable technology, medical imaging, and electronic health records, emphasizing their significance for machine learning applications. The basic machine learning algorithms and techniques used in CVD are also covered in the abstract.