

# Enhancing Medical Diagnosis through Machine Learning: A Review

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**Abstract:** *The medical industry is seeing remarkable increase in computer-aided detection using machine learning (ML) and deep learning (DL). The true source of the relevant data needed for a disease diagnosis is thought to be medical pictures. One of the most critical aspects of reducing the death rate from cancer and tumours is early detection of the disease through the use of several modalities. Radiologists and medical professionals can better understand the internal anatomy of a discovered disease by using modalities to extract the necessary features. Due to big data sets, ML is limited by current modalities, while DL functions well with any volume of data. DL is therefore seen as an improved method of machine learning (ML), in which ML employs learning strategies and DL gathers information on how machines should react around people*

**Keywords:** Machine Learning, Deep Learning, Disease Diagnosis, Computer-Aided Detection, Cancer, Tumours