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(57) Abstract :

The AI-Based Medical Auto Diagnosis Auxiliary System (100) is underpinned by processor and memory resources optimized to effectively support its multifaceted functionalities. At its core, the system comprises key components: a data collection module (104) adept at aggregating data from diverse sources (102), an integration module (106) facilitating seamless data coordination, and a pre-processing module (108) dedicated to refining data quality through comprehensive cleansing and normalization processes. The feature extraction module (110) discerns essential attributes while the integration of a machine learning model (114) via the predictive analysis module (112) empowers the system with predictive capabilities. Of significant value is the real-time diagnostic suggestion module (116) which furnishes healthcare professionals with precise insights, amplifying their diagnostic acumen and consequently elevating the quality of patient care through accurate and timely recommendations.

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