AI-Powered Bruise Analysis-Accurate-Cloud-Based-Comparative Learning

Description:

This invention is an AI-powered platform that captures and analyzes bruise images under varying light conditions, using deep learning to assess the age and nature of injuries. It also leverages a cloud-based database to compare new images with historical data for enhanced forensic and medical evaluations.
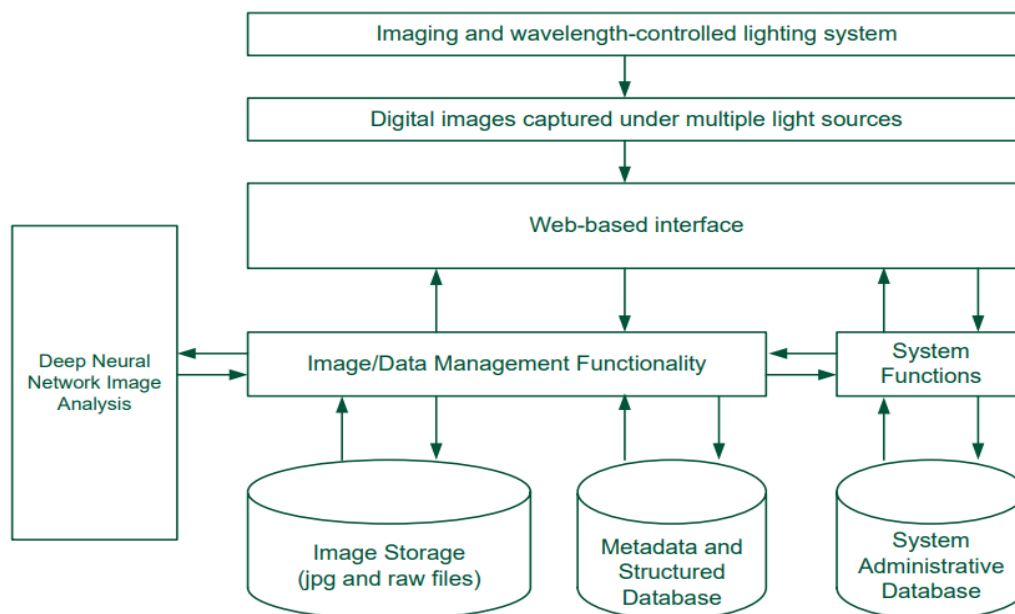
Problem & Solution:

Determining the age and nature of bruises is challenging due to inconsistent lighting, subjective analysis, and the lack of a standardized method, which affects forensic and medical accuracy.

This AI-driven platform captures and analyzes bruise images under multiple lighting conditions, leveraging deep learning to assess injury timelines. A cloud-based system stores and compares new images with historical data for enhanced forensic and medical evaluation.

Advantages:

- AI-powered analysis for objective bruise assessment
- Cloud-based storage for accessibility and scalability
- Multi-spectral imaging for improved accuracy
- Comparative learning for better forensic and medical insights