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(57) Abstract :

The present invention discloses an AI-based framework (100) for automated music composition systems, comprising an input module (200), a generative model (300), a user feedback system (400), a cloud-based integration unit (500), and an output module (600). The system generates original compositions by combining symbolic representations and deep learning models, allowing interactive refinement through real-time feedback. It supports scalability, cross-platform access, and professional integration with digital audio workstations (DAWs). The invention provides adaptive, coherent, and genre-diverse compositions suitable for professional and personal applications.

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