

Computer Vision and Internet of Everything (IoE) for Societal Needs

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ABSTRACT

Integrating Computer Vision and the Internet of Everything (IoE) in smart healthcare systems represents a transformative shift towards more personalized, efficient, and proactive medical care. Computer Vision technologies enable the analysis and interpretation of visual data, such as medical imaging and patient monitoring, to support diagnostics, treatment planning, and patient management. Meanwhile, IoE extends the capabilities of IoT by incorporating people, processes, and data into a unified ecosystem, enhancing connectivity and data sharing among healthcare devices and systems. This abstract explores the synergies between Computer Vision and IoE in advancing smart healthcare solutions, focusing on how these technologies collectively improve healthcare delivery through enhanced monitoring, diagnostics, and personalized treatment. The review highlights key advancements, applications, and challenges in this field, providing insights into future research directions and the potential for further innovation in smart healthcare systems.

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