

An Review on Missing Person Detection System using Machine Learning

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Abstract: *Enhancing missing person detection is a critical aspect of search and rescue operations, where the use of machine learning algorithms and OpenCV technology. As advancements in technology continue to evolve, the implementation of machine learning algorithms has become a focal point in improving the accuracy and efficiency of missing person detection processes. Additionally, the integration of OpenCV, a library for computer vision and machine learning, further enhances the capabilities of search and rescue systems by enabling real-time image processing and object detection. This comprehensive system combines the strengths of machine learning algorithms and OpenCV technology to create a robust framework for improving search and rescue operations. In this research paper, we delve into the significance of machine learning algorithms in enhancing missing person detection, explore the role of OpenCV in search and rescue operations, and discuss the components of a comprehensive system that integrates these technologies to enhance the efficiency and effectiveness of search and rescue missions.*

Keywords: OpenCV, Machine learning, robust framework