

Building a human fall detection system from surveillance cameras using the YOLOv8-Pose Deep Learning model.

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Abstract: This topic addresses the necessity of early detection of fall situations to reduce accidents and enhance public safety. The objective is to build a system based on the YOLOv8-Pose Deep Learning model using surveillance camera data, aiming to improve human recognition and pose estimation for detecting signs of falls. The research method combines theoretical and experimental approaches, verifying system performance through evaluation on standard datasets. The expected outcome is to provide a solution that applies advanced technology to the field of public safety.

Keywords: Deep Learning, YOLOv8-Pose, Fall detection, Surveillance camera, Public safety