

AI for Video Surveillance: from people silhouettes to people identities

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Topic

- Traditional Video Surveillance systems involve a human in front of a live camera video.
- Automatic Video Surveillance systems can help or replace the human using AI and Computer Vision to tackle problems.



Problems

- Find people silhouettes in the camera video stream (Person Instance Segmentation).
- Understand who are those people (Person Identification).
- Track people movements using the previous information.
- Perform all this in real-time.

Objectives

- Develop two AI systems:
 - One for Person Instance Segmentation.
 - One for Person Identification.
- Put those systems together to build an AI pipeline.
- Deploy the pipeline to a production environment.

