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A09 ITAI 1378 CV

ITAI 1378 Comp Vision-Artificial Intelligence

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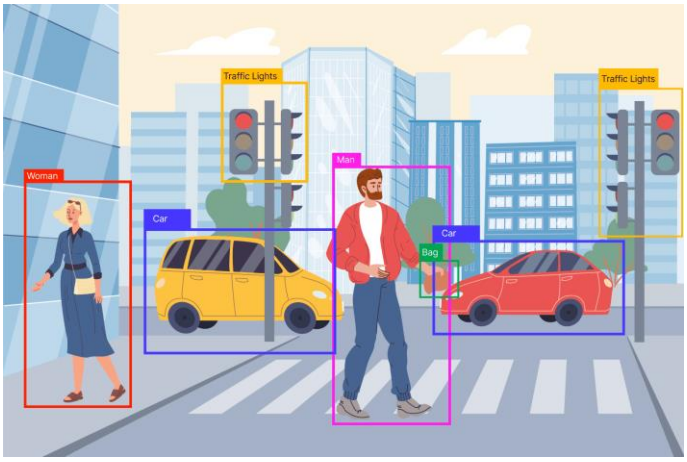
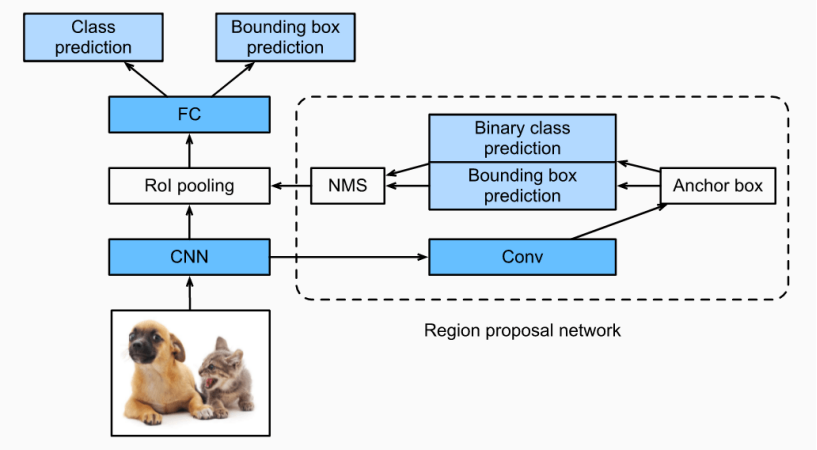
Reflection on Object Detection Cheat Sheet Assignment

Creating the object detection cheat sheet was an insightful process that deepened my understanding of core concepts, methodologies, and tools in this field.



Researching topics like bounding boxes, IoU, and algorithms such as YOLO and Faster R-CNN helped me grasp how object detection bridges computer vision and machine learning. I learned to distill complex ideas—such as the balance between speed and accuracy in algorithms—into concise, accessible points, which sharpened my ability to synthesize information effectively.



The process also highlighted practical challenges, like occlusion and small object detection, and their solutions, making me more aware of real-world applications. Structuring the cheat sheet to fit one page taught me the value of prioritization and visual organization, ensuring quick reference without overwhelming detail. Exploring tools like TensorFlow and OpenCV expanded my technical toolkit, while the resource list opened doors to further learning.

I believe this cheat sheet will be a valuable asset for future object detection tasks. It serves as a quick guide for selecting algorithms, troubleshooting issues, and leveraging libraries efficiently, saving time and enhancing my workflow in projects or studies involving computer vision.

Citations:

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