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Assignment 9: Object Detection Cheat Sheet

15698 Computer Vision 1378

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<div align="center">Reflection on Object Detection Cheat Sheet</div>

The objective of this cheat sheet task was to familiarize myself with the basics of object detection and highlight those key concepts on a cheat sheet. The assignment requires research of various concepts such as bounding boxes, annotations, confidence scores, and Intersection over Union (IoU). At first, I understood that object detection entails identifying what an object is and deep learning algorithms are used to implement this task.

Through this assignment, I developed a better understanding of object detection, which helped me to develop these skills more. I also learned how to apply various deep learning algorithms in a practical setting, which was new for me. These new skills have broadened my perspective and improved my overall competence in the subject. One challenge I encountered was when I accidentally deleted the first cheat sheet I created and was unable to recover it. To overcome this, I had to restart the assignment. As a result, I was able to come up with an even better cheat sheet and just decided to create a free online account for the template service I was using.

Before this project, I saw object detection as just another subject in AI to study. However, as I learned more, I realized its real-world impact and why it matters. My perspective changed when I saw how it relates to autonomous vehicles, health care diagnoses, and other aspects of our society. I now this topic is important because it helps us to understand and respond to societal or scientific issues. After completing this task, I'm interested in exploring object detection in more depth, especially how it applies to real-world solutions. I think gaining a deeper understanding could enhance my ability to bring AI solutions to the world.