**PEDESTRIAN DETECTION**

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1. **THE PROBLEM:**

Humans are not optimal because if they are not focused enough they might not notice the pedestrians on the road and this could be a serious hazard and it already has costed many people simple because they did not notice but a computer does not have to worry about how focused it is because no matter what it will always have a 100% focus and will have eyes everywhere even where humans can’t see. A self-driving car has no way to distinguish between a pedestrian and other obstacle, so a pedestrian detection algorithm is required for all self-driving cars.

1. **WHAT CAUSES THE PROBLEM:**

Many things can cause people to not see a pedestrian for example: They could get distracted or they could not be paying attention or many other similar reasons but they can all be avoided by using machines as they do not get tired or distracted like humans do.

1. **THE SOLUTION:**

We can use AI to create a pedestrian detection algorithm that can detect pedestrian on road and ensure their safety.

1. **PROCESS:**

On the first day we started by choosing a topic and figured out what we need to make the algorithm. By the second day we had started researching on the topic and gathered up all the information and content we were going to use. Then, we downloaded our dataset and started coding the algorithm, by referencing websites for help, for the next couple of days.

We winded up the project and testing the code and making explanations of each code.