**Artificial Intelligence Project**

**Number Plate Recognition**

**Submitted by:**

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**Introduction:**

This project is built for recognizing number plates in a given image and then go through different functions to recognize the character and number int the given image and then displaying them to the users. This projects first include the training of recognizing of the characters and numbers is a given image. Followed by training of recognizing the plates in a given scene. Then finally when an image is given this algorithm first detects the plates and then recognize the characters by comparing them with the character training data and display them to the uses.

**Libraries Used:**

* Open-CV
* KNN (K-Nearest Neighbors)

**Language Used:**

* Python

**Algorithms Used:**

* Image GrayScalling
* Image ThreshHolding
* Finding Contours
* Further more can be added as per requirement.

**Submitted to:**

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