

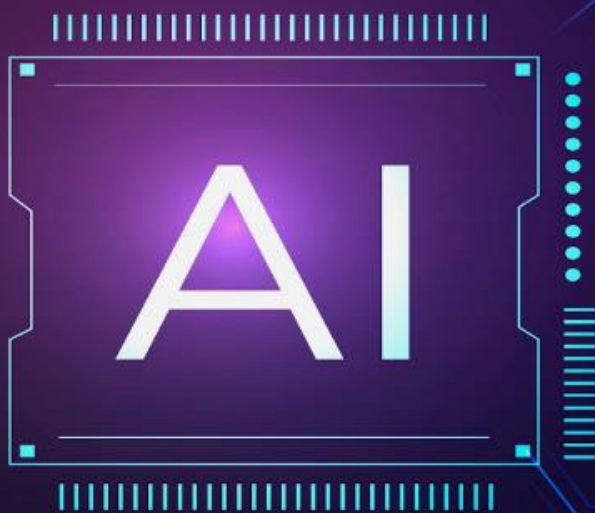


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A Data Science Company



Computer Vision



## Case Study

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# Food Plate Counting for a Luxury Car Manufacturer

# About the Client

The Client is a global Luxury Car Manufacturer in India

## Business Problem

This was for the cafeteria. The appointed caterer was always billing for higher number of food plates, rather than the actual number consumed by the employee. They wanted a mechanism to capture an exact number of soiled food plates.

## Solution

At the cafeteria, once the food is consumed, the soiled plates were kept on a conveyer belt which carried the plates to the cleaning location. So, the plates were always moving. To solve the business problem, we developed a custom AI Model using Python & TensorFlow deep learning libraries to detect & count the food plates. During the UAT, the algorithm gave accuracy of around 95%, which was later improved to 98% by tuning the model. This result of the AI Model was integrated with the billing reconciliation software.

## Outcome

With the AI Powered solution the customer was able to bring huge savings annually on the food bill paid to the caterer

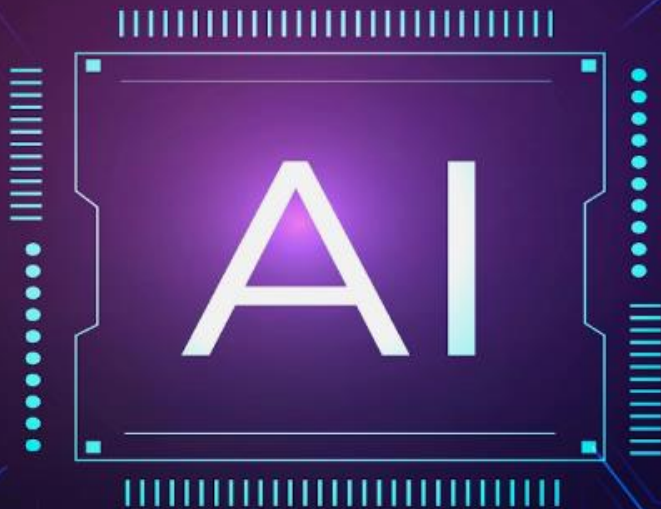
## Technology Used

Python, Deep Learning, Object Detection, Object Recognition, Flask APIs



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