# **Weekly Report 3: Image Classification and Identification**

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This week, we made significant progress on our Image Classification and Identification project. Our key accomplishments include:

* We implemented color detection algorithms to accurately identify dominant colors in images.
* Additionally, we developed a number plate detection module using image preprocessing and OCR techniques to extract license plate information.
* Furthermore, we integrated object segmentation combined with classification to recognize and categorize objects such as planes and trains within images.

These components collectively enhance the system’s ability to analyze and interpret diverse visual data effectively.