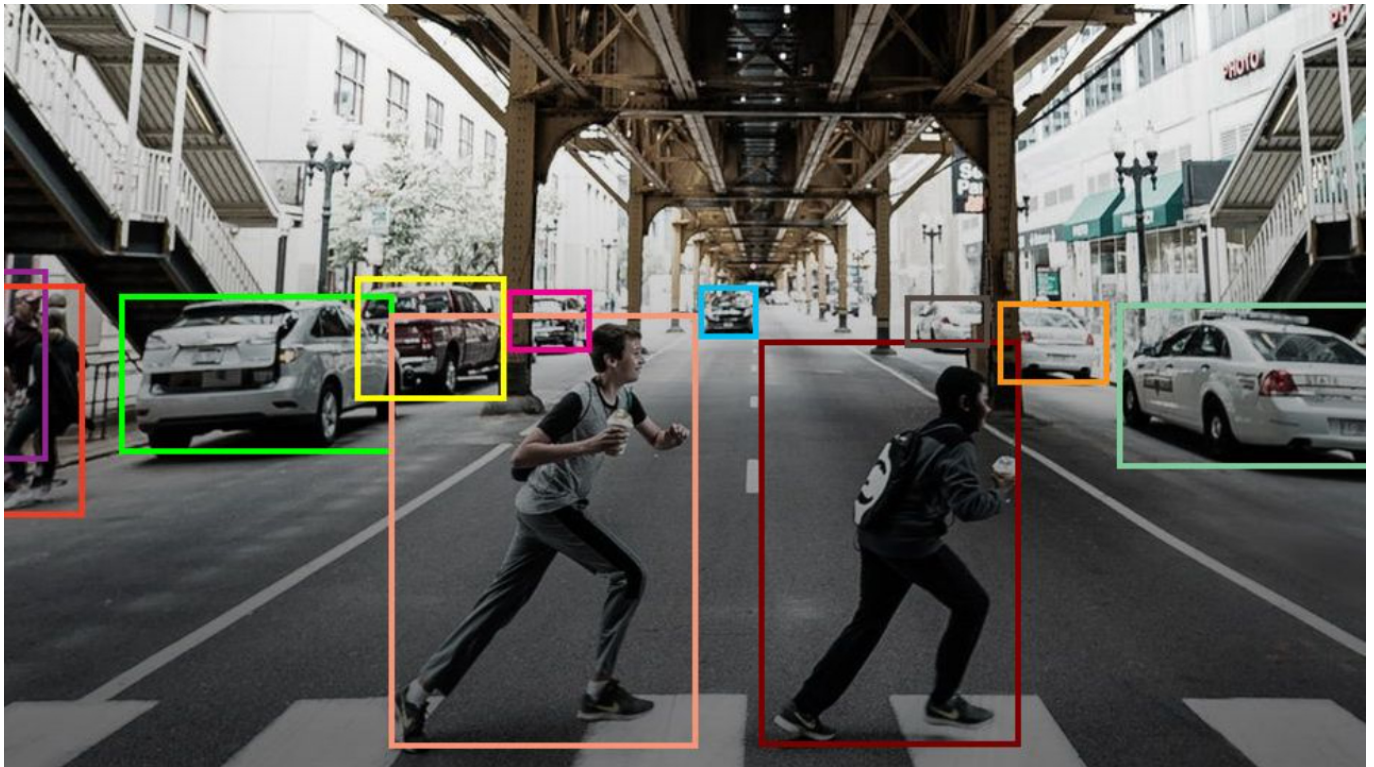


# Object Tracking Project

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This project demonstrates object tracking using OpenCV and Streamlit. It allows users to upload a video file and detects moving objects in the video using background subtraction.

## Features

- Real-time object detection in video files
- Background subtraction using MOG2
- Bounding boxes around detected objects
- Streamlit interface for easy video upload and display

## Requirements

- Python 3.x
- OpenCV
- Streamlit
- NumPy

## Installation

1. Clone the repository:

```
git clone <repository-url>  
cd <repository-directory>
```

2. Install the required packages:

```
pip install -r requirements.txt
```

## Usage

1. Run the Streamlit app:

```
streamlit run app.py
```

2. Upload a video file in the Streamlit interface.
3. The app will display the original video feed and the foreground mask with detected objects highlighted.

## License

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