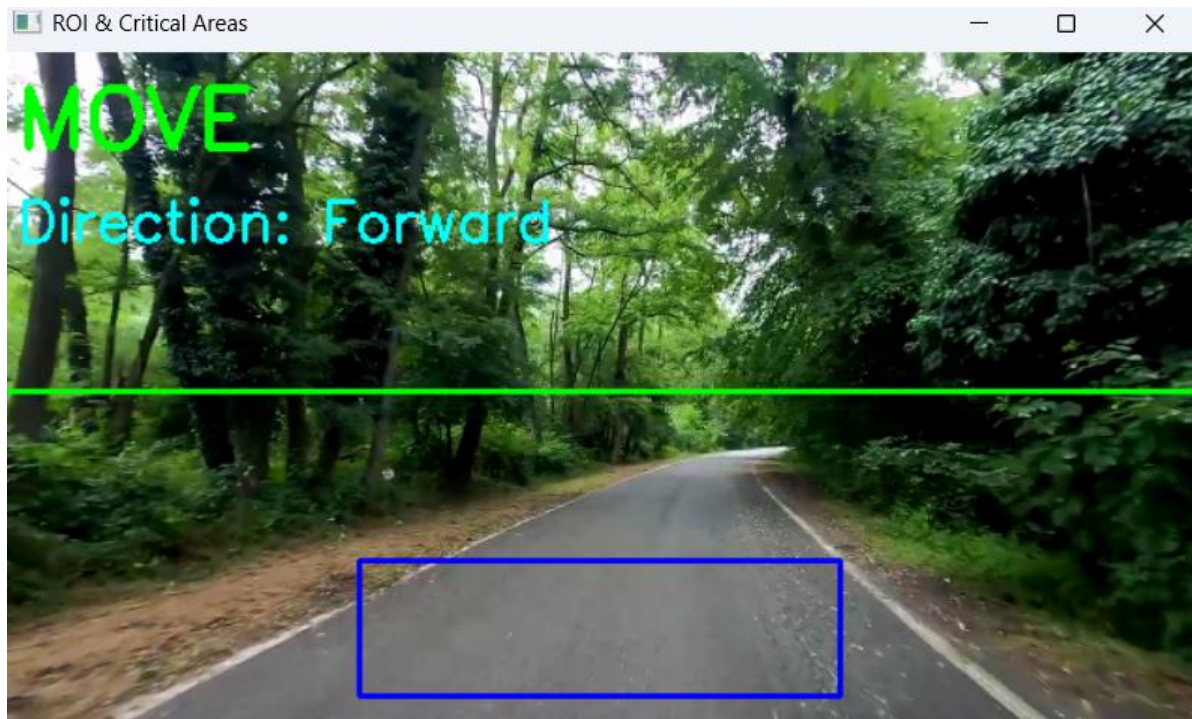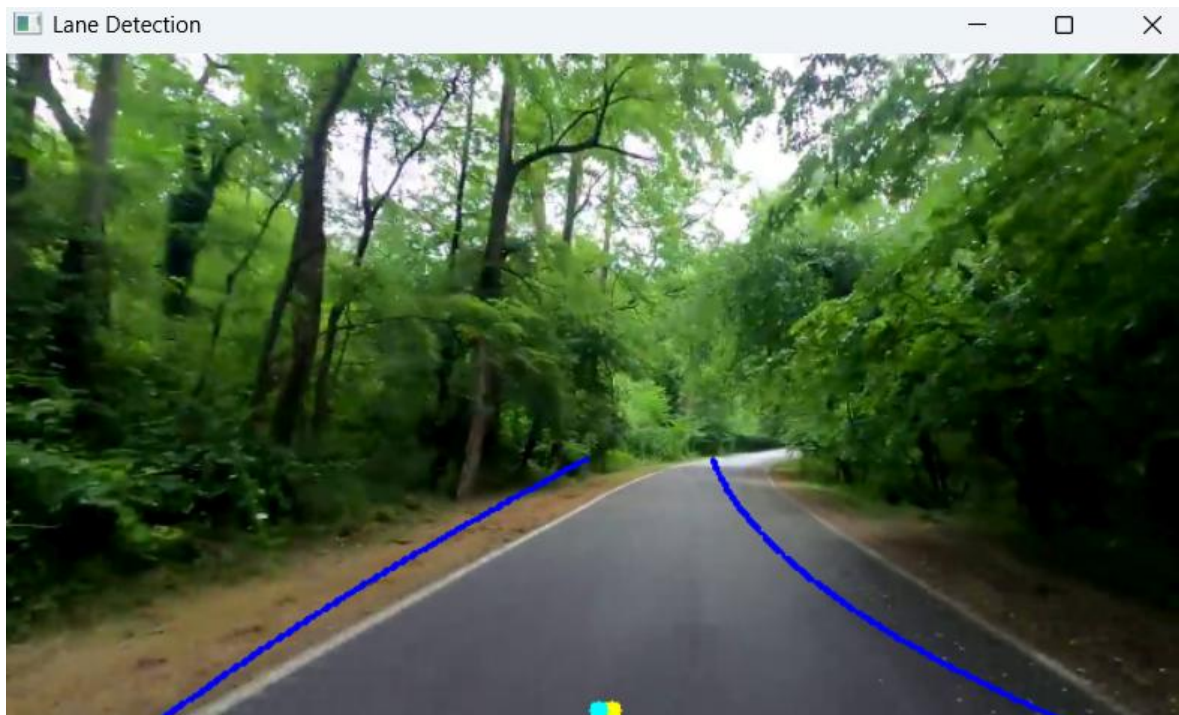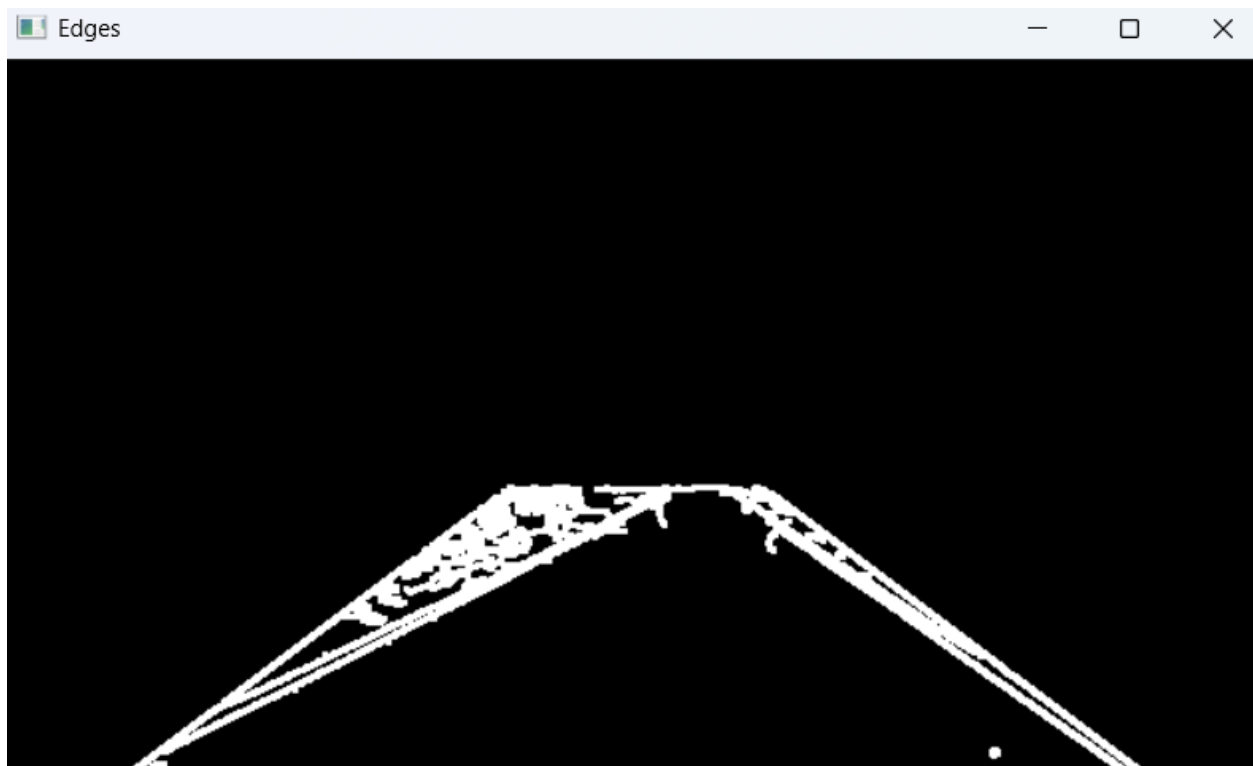**Demo:**

ROI and Critical Areas:

Lane Detection:

Edges:

Numerical Results:

```
Frames processed:            1231
Average FPS (measured):      7.7
Lane stability (px std-dev): 6.51  (lower = steadier)
Lane fit R^2 (L/R):          0.94 / 0.98  (0-1)
Obstacle persistence:        0.00% of frames
STOP time:                   0.00 s
```