Terminal outputs:  
source /Users/vignesh/v2v-prototype/venv/bin/activate

vignesh@Mac ~ % source /Users/vignesh/v2v-prototype/venv/bin/activate

(venv) vignesh@Mac ~ % cd /Volumes/V2VSYSTEM

(venv) vignesh@Mac V2VSYSTEM % ls

simple\_v2v\_agent.py System Volume Information

(venv) vignesh@Mac V2VSYSTEM % python3 simple\_v2v\_agent.py

Starting V2V Driver Alert AI Agent Prototype. Press Ctrl+C to stop.

--------------------------------------------------

Hazard Message: 'Pothole ahead.'

Detected Severity: CRITICAL

Current Speed: 33.81 mph

Distance to Obstacle: 158.77 meters

AI Agent Decision: IMMEDIATE EMERGENCY: BRAKE HARD

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Possible crash ahead.'

Detected Severity: CRITICAL

Current Speed: 15.04 mph

Distance to Obstacle: 47.16 meters

AI Agent Decision: IMMEDIATE EMERGENCY: BRAKE HARD

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Pothole ahead.'

Detected Severity: CRITICAL

Current Speed: 68.51 mph

Distance to Obstacle: 32.81 meters

AI Agent Decision: IMMEDIATE EMERGENCY: BRAKE HARD

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Minor debris on highway.'

Detected Severity: MEDIUM

Current Speed: 19.27 mph

Distance to Obstacle: 103.23 meters

AI Agent Decision: CONTINUE DRIVING

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Minor debris on highway.'

Detected Severity: MEDIUM

Current Speed: 33.42 mph

Distance to Obstacle: 67.80 meters

AI Agent Decision: REDUCE SPEED

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Standing water on the right lane.'

Detected Severity: MEDIUM

Current Speed: 45.84 mph

Distance to Obstacle: 171.78 meters

AI Agent Decision: CONTINUE DRIVING

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Standing water on the right lane.'

Detected Severity: MEDIUM

Current Speed: 70.36 mph

Distance to Obstacle: 150.76 meters

AI Agent Decision: CONTINUE DRIVING

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Major debris on highway.'

Detected Severity: CRITICAL

Current Speed: 24.17 mph

Distance to Obstacle: 79.35 meters

AI Agent Decision: IMMEDIATE EMERGENCY: BRAKE HARD

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Pothole ahead.'

Detected Severity: CRITICAL

Current Speed: 51.86 mph

Distance to Obstacle: 183.94 meters

AI Agent Decision: IMMEDIATE EMERGENCY: BRAKE HARD

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'No issues detected.'

Detected Severity: LOW

Current Speed: 29.22 mph

Distance to Obstacle: 114.30 meters

AI Agent Decision: CONTINUE DRIVING

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Major debris on highway.'

Detected Severity: CRITICAL

Current Speed: 73.38 mph

Distance to Obstacle: 146.80 meters

AI Agent Decision: IMMEDIATE EMERGENCY: BRAKE HARD

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Pothole ahead.'

Detected Severity: CRITICAL

Current Speed: 71.26 mph

Distance to Obstacle: 99.54 meters

AI Agent Decision: IMMEDIATE EMERGENCY: BRAKE HARD

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Heavy rain ahead, slick roads.'

Detected Severity: HIGH

Current Speed: 73.35 mph

Distance to Obstacle: 165.43 meters

AI Agent Decision: MAINTAIN CAUTION

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Pothole ahead.'

Detected Severity: CRITICAL

Current Speed: 72.29 mph

Distance to Obstacle: 72.78 meters

AI Agent Decision: IMMEDIATE EMERGENCY: BRAKE HARD

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Possible crash ahead.'

Detected Severity: CRITICAL

Current Speed: 26.46 mph

Distance to Obstacle: 131.76 meters

AI Agent Decision: IMMEDIATE EMERGENCY: BRAKE HARD

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Pothole ahead.'

Detected Severity: CRITICAL

Current Speed: 57.40 mph

Distance to Obstacle: 36.35 meters

AI Agent Decision: IMMEDIATE EMERGENCY: BRAKE HARD

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Minor debris on highway.'

Detected Severity: MEDIUM

Current Speed: 32.69 mph

Distance to Obstacle: 156.71 meters

AI Agent Decision: CONTINUE DRIVING

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Possible crash ahead.'

Detected Severity: CRITICAL

Current Speed: 39.62 mph

Distance to Obstacle: 196.96 meters

AI Agent Decision: IMMEDIATE EMERGENCY: BRAKE HARD

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Major debris on highway.'

Detected Severity: CRITICAL

Current Speed: 72.96 mph

Distance to Obstacle: 11.81 meters

AI Agent Decision: IMMEDIATE EMERGENCY: BRAKE HARD

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Heavy rain ahead, slick roads.'

Detected Severity: HIGH

Current Speed: 57.80 mph

Distance to Obstacle: 140.12 meters

AI Agent Decision: MAINTAIN CAUTION

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Heavy rain ahead, slick roads.'

Detected Severity: HIGH

Current Speed: 47.06 mph

Distance to Obstacle: 89.43 meters

AI Agent Decision: REDUCE SPEED

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Standing water on the right lane.'

Detected Severity: MEDIUM

Current Speed: 71.83 mph

Distance to Obstacle: 68.23 meters

AI Agent Decision: REDUCE SPEED

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Standing water on the right lane.'

Detected Severity: MEDIUM

Current Speed: 14.53 mph

Distance to Obstacle: 120.54 meters

AI Agent Decision: CONTINUE DRIVING

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Possible crash ahead.'

Detected Severity: CRITICAL

Current Speed: 35.28 mph

Distance to Obstacle: 101.07 meters

AI Agent Decision: IMMEDIATE EMERGENCY: BRAKE HARD

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Possible crash ahead.'

Detected Severity: CRITICAL

Current Speed: 22.26 mph

Distance to Obstacle: 65.46 meters

AI Agent Decision: IMMEDIATE EMERGENCY: BRAKE HARD

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Minor debris on highway.'

Detected Severity: MEDIUM

Current Speed: 34.15 mph

Distance to Obstacle: 90.84 meters

AI Agent Decision: MAINTAIN CAUTION

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Pothole ahead.'

Detected Severity: CRITICAL

Current Speed: 38.25 mph

Distance to Obstacle: 14.53 meters

AI Agent Decision: IMMEDIATE EMERGENCY: BRAKE HARD

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Possible crash ahead.'

Detected Severity: CRITICAL

Current Speed: 72.78 mph

Distance to Obstacle: 197.24 meters

AI Agent Decision: IMMEDIATE EMERGENCY: BRAKE HARD

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Minor debris on highway.'

Detected Severity: MEDIUM

Current Speed: 56.11 mph

Distance to Obstacle: 143.48 meters

AI Agent Decision: CONTINUE DRIVING

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Possible crash ahead.'

Detected Severity: CRITICAL

Current Speed: 73.85 mph

Distance to Obstacle: 60.84 meters

AI Agent Decision: IMMEDIATE EMERGENCY: BRAKE HARD

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Heavy rain ahead, slick roads.'

Detected Severity: HIGH

Current Speed: 29.55 mph

Distance to Obstacle: 97.25 meters

AI Agent Decision: MAINTAIN CAUTION

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Standing water on the right lane.'

Detected Severity: MEDIUM

Current Speed: 68.19 mph

Distance to Obstacle: 103.96 meters

AI Agent Decision: MAINTAIN CAUTION

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Major debris on highway.'

Detected Severity: CRITICAL

Current Speed: 57.67 mph

Distance to Obstacle: 29.06 meters

AI Agent Decision: IMMEDIATE EMERGENCY: BRAKE HARD

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Standing water on the right lane.'

Detected Severity: MEDIUM

Current Speed: 68.37 mph

Distance to Obstacle: 27.75 meters

AI Agent Decision: REDUCE SPEED

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Heavy rain ahead, slick roads.'

Detected Severity: HIGH

Current Speed: 52.54 mph

Distance to Obstacle: 52.55 meters

AI Agent Decision: REDUCE SPEED

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Pothole ahead.'

Detected Severity: CRITICAL

Current Speed: 38.66 mph

Distance to Obstacle: 84.26 meters

AI Agent Decision: IMMEDIATE EMERGENCY: BRAKE HARD

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Major debris on highway.'

Detected Severity: CRITICAL

Current Speed: 66.10 mph

Distance to Obstacle: 107.13 meters

AI Agent Decision: IMMEDIATE EMERGENCY: BRAKE HARD

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'No issues detected.'

Detected Severity: LOW

Current Speed: 38.95 mph

Distance to Obstacle: 19.37 meters

AI Agent Decision: REDUCE SPEED

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Major debris on highway.'

Detected Severity: CRITICAL

Current Speed: 54.62 mph

Distance to Obstacle: 85.62 meters

AI Agent Decision: IMMEDIATE EMERGENCY: BRAKE HARD

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'No issues detected.'

Detected Severity: LOW

Current Speed: 14.69 mph

Distance to Obstacle: 175.77 meters

AI Agent Decision: CONTINUE DRIVING

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'No issues detected.'

Detected Severity: LOW

Current Speed: 58.52 mph

Distance to Obstacle: 82.72 meters

AI Agent Decision: MAINTAIN CAUTION

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Pothole ahead.'

Detected Severity: CRITICAL

Current Speed: 72.10 mph

Distance to Obstacle: 64.07 meters

AI Agent Decision: IMMEDIATE EMERGENCY: BRAKE HARD

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Major debris on highway.'

Detected Severity: CRITICAL

Current Speed: 44.98 mph

Distance to Obstacle: 196.92 meters

AI Agent Decision: IMMEDIATE EMERGENCY: BRAKE HARD

--------------------------------------------------

--------------------------------------------------

Hazard Message: 'Major debris on highway.'

Detected Severity: CRITICAL

Current Speed: 46.37 mph

Distance to Obstacle: 51.63 meters

AI Agent Decision: IMMEDIATE EMERGENCY: BRAKE HARD

--------------------------------------------------

^C

Simulation stopped.

(venv) vignesh@Mac V2VSYSTEM %