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| Abstract |  |
| At night, the vehicle's whole body is not visible due to poor illumination which probably is the principal cause of road accidents that happens at night. Due to the same reason, detecting and tracking vehicles at night is very difficult. Moreover, the visual appearance of vehicles is altered owing to numerous issues like the color of the vehicle, the amount of light that vehicles reflect, and the ambient light. It is apparent that, at night, driving necessitates more attention than the day. Hence, the increase in visibility is important for the sake of the safety of the road users at night. In dark conditions, taillights and brake lights make the rear of the vehicle perceptible. The main aim of this review paper is to survey, present and summarize the various proposed techniques, and future directions so that new methods of vehicle detection can be developed to circumvent nighttime accidents. | |