

FUTURE JOB ROLES



ENGINEERING AND RESEARCH & DEVELOPMENT

COMPUTER VISION EXPERT

For a car to be completely autonomous, it needs to have perception of its surrounding environment.

Computer vision is an interdisciplinary field that deals with how computers can gain high-level understanding from digital images or videos.

Computer Vision in autonomous cars can lead to the designing and development of advanced and next-generation vehicles.



Over the years, the recruitment of computer vision professionals has grown in companies around the world, particularly in the automotive sector. Computer Vision acts as a complete sensory instrument, which simultaneously inspects the environment around the vehicle and analyzes it to identify potential hazards, obstacles and other relevant situations that the vehicle needs to react to while on the road.



The emerging computer vision expert job role requires the use of expert knowledge and best practice of computer vision techniques, programming languages, and frameworks and tools to support the production of autonomous vehicles. These specialists are endlessly learning and constantly researching new trends and tendencies to optimize the computer vision tasks such as detection and recognition of traffic signs, traffic light and pedestrians, as well as lane keeping for self-driving cars in order to develop scalable and efficient computer vision solutions to complex problems.



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