Parking system for AVs

Self-driving cars are no more science fiction. They are more of a close reality in today’s world. Autonomous vehicles elevate the features of smart cities, but our entire traffic ecosystem has to be modified to fit the inclusion of AVs. This also includes parking of AVs. Already existing projects either use a microprocessor to park AVs. This method may not be very well applicable in huge parking systems. The project opens a way to regulate the parking system of  AVs by using cloud computing. In large establishments such as hospitals, malls,etc this system will be used.Online system maintains the traffic and schedules the slot for AVs which is decided to halt for a while. Initially AV sends a parking request with the help of an API to the cloud system. The cloud system double checks the traffic and parking slot is allocated. Sensors are used to navigate the car to the correct parking space and it makes sure that it is parked perfectly.The cloud system collects all the necessary details about the car like type of car, brand and other such details. This information is stored in the cloud and it helps for future references.The project deals with complex geographical parking yard different kinds of AVs in terms of size and also different kinds of interaction between AV systems and cloud computers.