Phase-3

Project Design Phase

Solution Architecture

Date	Nov 3rd, 2023
Team ID	592031
Project Name	AI Enable car parking using OpenCV
Maximum Marks	4 Marks

Solution Architecture:

Step 1: The parking lot cameras capture images and videos of the parking lot.

Step 2: Upload the captured images and videos to the S3 bucket.

Step 3: The Amazon Recognition endpoint analyses the images and videos to detect vehicles and track them.

Step 4: The parking lot occupancy is determined and updated in Amazon DynamoDB.

Step 5: If a vehicle enters or exits the parking lot, it will trigger a notification.

Step 6: The notification will be sent to the users via SNS.

Solution Architecture Diagram: