OpenCV and TensorFlow exercises. S-Car app login activity.

13/11/20

Added animations to the login activity.

17/11/20

Lane detection code using OpenCV - https://youtu.be/eLTLtUVuuy4

26/12/20

Working on DC motor Ultrasonic sensors

29/12/20

Ultrasonic sensor code

31/12/20

Server code

Parking assist

New activities to the app

04/01/2021

Added Bluetooth to the app and the car

Parking assist code

Car app server

06/01/2021

App – added car control and settings activities

ESP32 – fixed search for empty space function

ESP32 – added code to calibrate the ESC in the car

ESP32 – added Bluetooth code to control the servo motor

18/01/2021

Got the server code working

19/01/2021

Added new activity to the app that will let the owner to add other drivers

20/01/2021

Working on the server code for the database

22/01/2021

Setting up raspberry pi & installing open cv

26/01/2021

Updating parking assist code

27/01/2021 to 16/02/2021

done the communication between the ESB32 and the app

Improved the lane detection code but the code keeps crashing

Added event group to my ESP32 code so my code will run faster

Changed the server code to use inheritance

Changed the app code to use inheritance

17/02/2021

Sending WIFI names from ESP32 to the app

18/02/2021

Sending WIFI details from the app to the ESP32 method

Receiving the data on the ESP32 and Connect to the WIFI

20/02/2021

Storing value in flash memory in esp32

21/02/2021

Connecting the ESP32 to WIFI and server

Fixing few bugs in the app

Researching about the ESP32 sleep modes

Researching and looking for direction API to use for self-driving

23/02/2021

Working on the calendar feature.

25/02/2021

Working on the view of the calendar sync in the app

Working on the server to add or get the driver’s events from database

Creating a table for the user’s event (Database)

01/03/2021

Got the calendar working, the user can add or edit any event.

Implementing MapQuest to my app

01/03/2021

Added delete method to the drivers and events activities.

I also added delete classes in the server

Added edit drivers details method to the app

11/03/2021

Working on map layout and data request (mapquest) <https://developer.mapquest.com>

Improving my lane detection code