CS411 Application Notes

Create some AI application and we can use Streamlit.

Some ideas:

* Use facial recognition and analysis for checking for drunkness or fatigue in real time.

Database

2 public datasets

* Look for datasets

Uses 3rd Party Authethication (Seems Auxillasry)

* Use OAuth

Decoupled Structure with Frontend and Backend

Suggested Source <https://www.researchgate.net/post/Can_anyone_suggest_dataset_for_driver_drowsiness_detection>

1. For drunkness or fatigue:

<https://sites.google.com/view/utarldd/home>

<https://arxiv.org/abs/1904.07312>

<https://github.com/rezaghoddoosian/Early-Drowsiness-Detection>

1. For Noncommericail: Drowsiness

<http://cv.cs.nthu.edu.tw/php/callforpaper/datasets/DDD/>

1. Drowsiness

<http://www.drozy.ulg.ac.be/>

1. Rseeachager Drowsiness

<https://www.researchgate.net/publication/344333190_Driver_Drowsiness_Detection_Based_on_Joint_Monitoring_of_Yawning_Blinking_and_Nodding>

<https://github.com/bindujiit/Driver-Drowsiness-Dataset-D3S->