



Wake The Beep Up

Stay up, stay safe!



Team Members: Arushi, Cheska, Mathangi



Table of contents

01 Introduction	02 Problem & Solution	03 App Features
04 Demo	05 Code Repository	06 Future Work

01

Why are we here today?

National Highway Traffic Safety Administration (NHTSA) in the United States estimated that 91,000 crashes in 2017 were due to a factor of DROWSINESS!.

Every year, in North America, drowsy driving leads to over 80,000 injuries and nearly 1100 deaths.

European Road Safety Observatory estimates that around 1 in 5 fatal accidents on motorways in Europe may be linked to DROWSINESS.

World Health Organization (WHO) acknowledges that fatigue is a significant factor in road safety.



Meet 'Wake The Beep Up'

Problem

- Drowsy Driving is a significant factor in a huge proportion of road accidents globally.
- While there are many advancements in the Automobile industry to enhance user safety, not much has been done to prevent drowsy driving.

Our Solution

- We present a simple real-time video monitoring application to alert drivers as they turn sleepy.
- To ensure awakesness, the application seeks a click acknowledgement.
- In case of driver's failure to acknowledge within 2 minutes, the application automatically calls 911

03

App Features

Real Time Video Monitoring

OpenCV based real-time eye tracking

Sound Alert

Instant high sound notification to wake you up

Click Acknowledgement

Acknowledge you're awake with just a click on the screen



Choose Other Options

Choose to take a nap, call a cab or switch driver if needed

Call 911

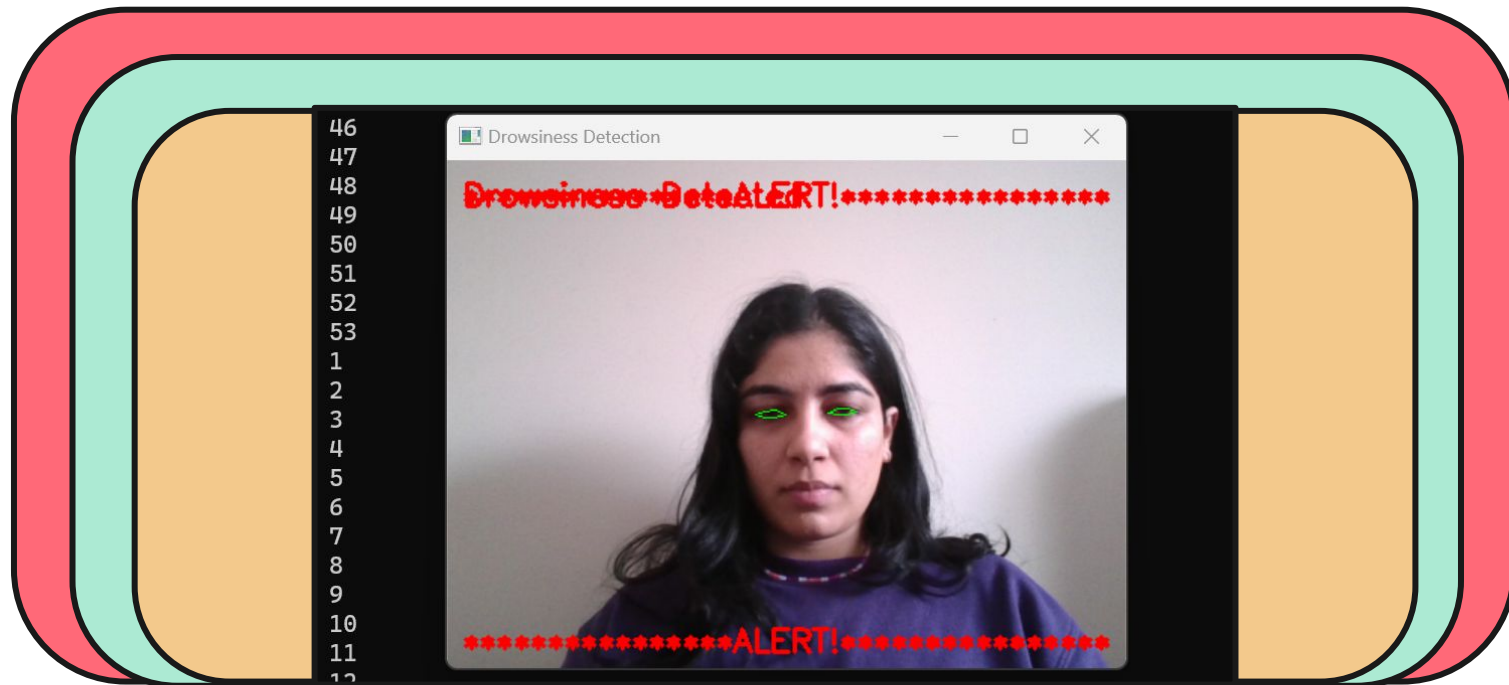
In case of no response, automatically dial 911 with pre-recorded voice note

Drive-O-Meter

Dashboard for tracking drowsy activity

04

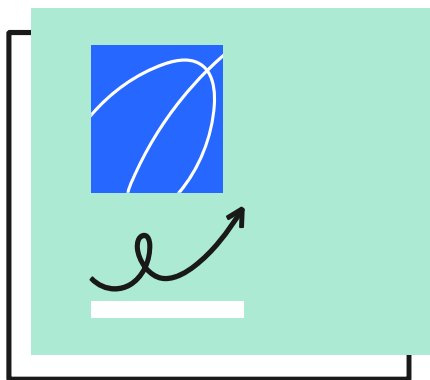
Demo



05

Code Repository

Here's an assortment of the alternative resources which you can use to learn about our application
Wake The Beep Up



GitHub

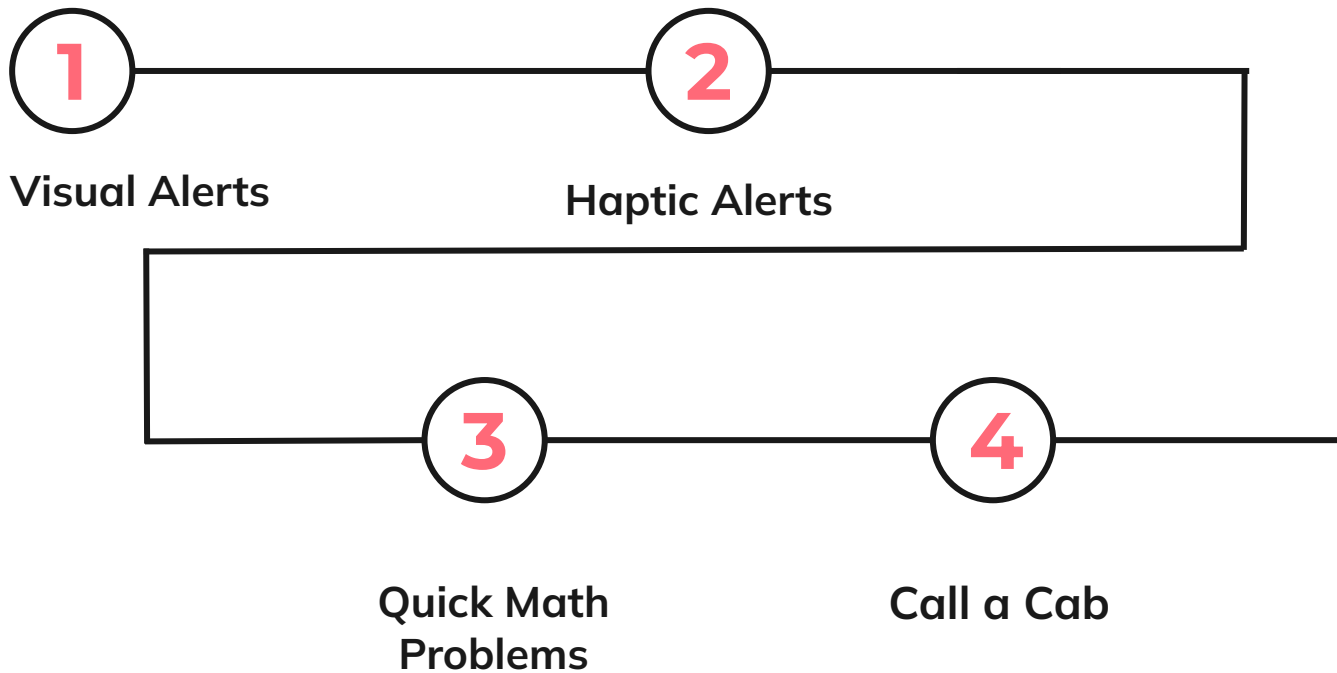


Figma



Devpost

Future Scope





Thank You!

Questions?

Wake The Beep Up. **Stay up, stay safe!**