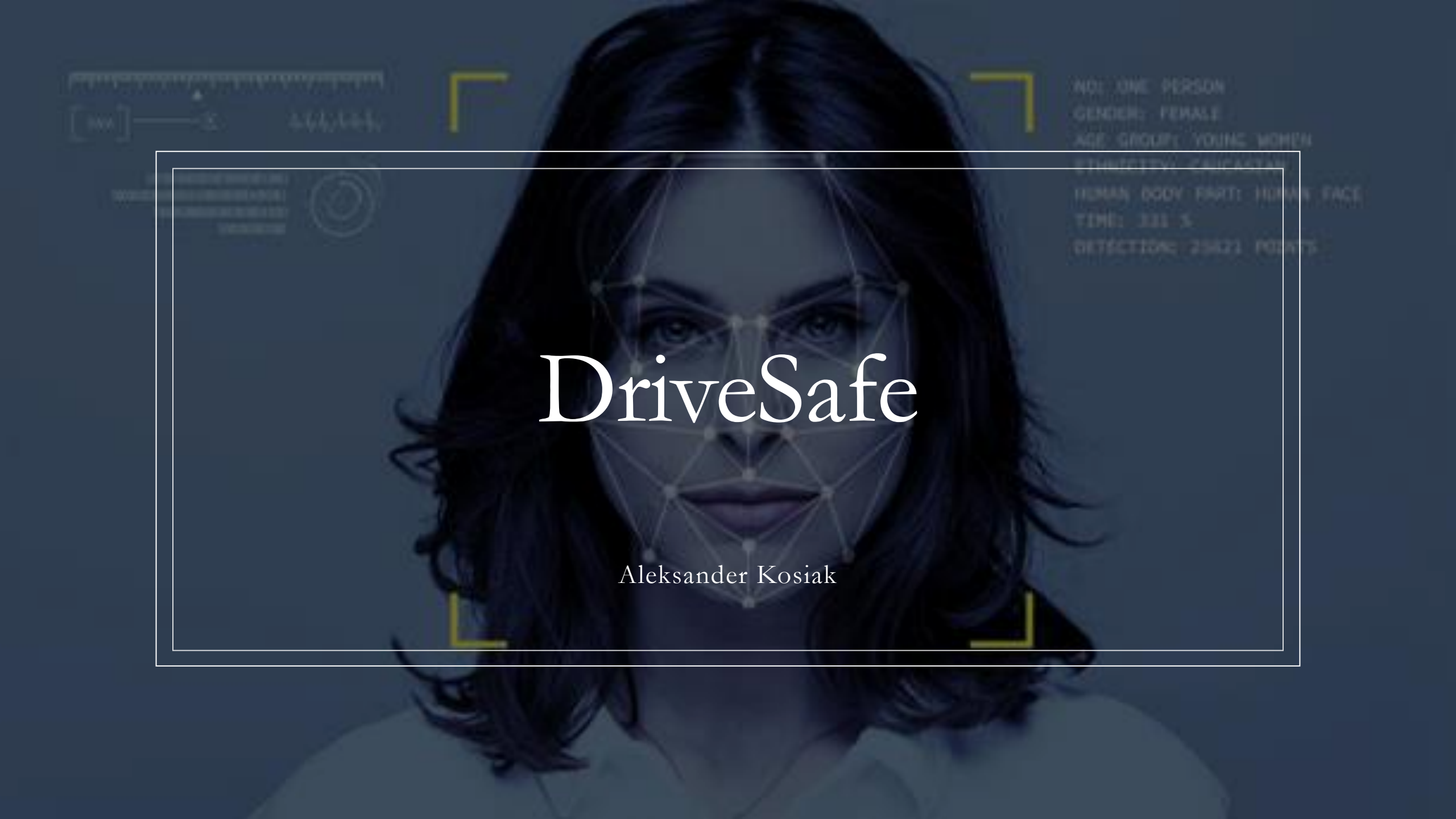
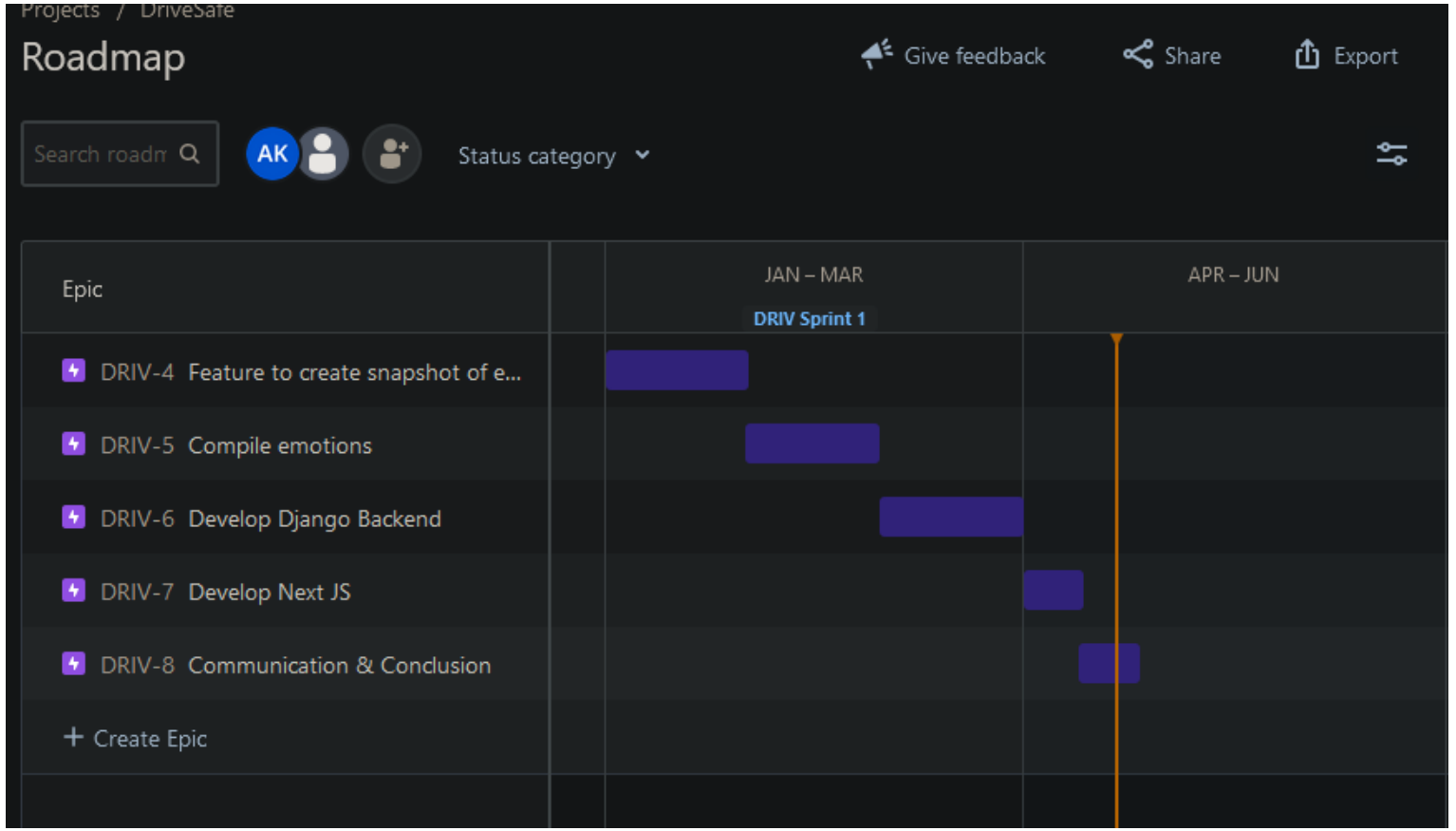


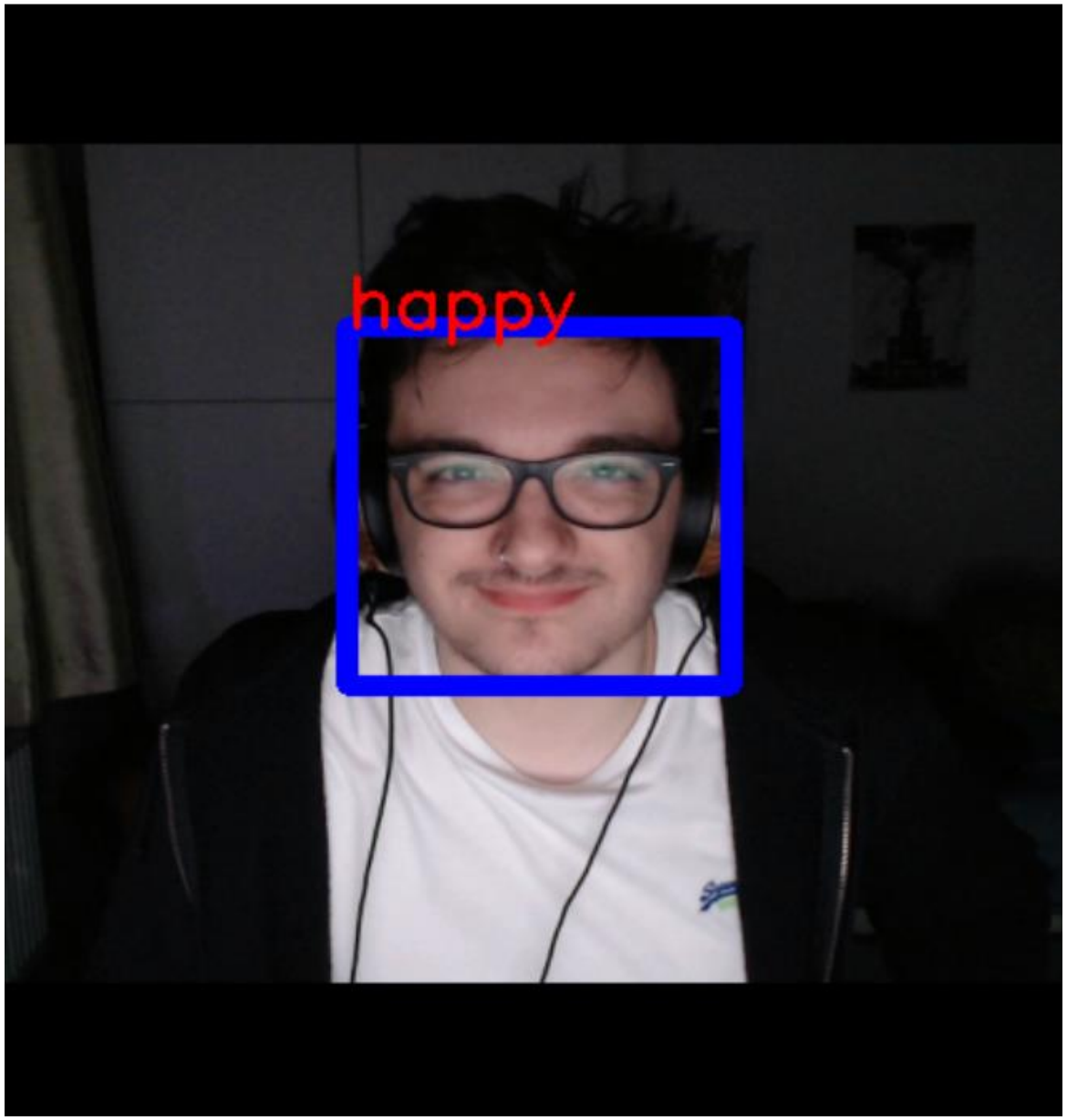
DriveSafe

Aleksander Kosiak

Project Plan

- Create face detection software
- Detect emotions
- Develop full stack application
- Deploy





Development

- Use of multiple libraries to achieve success:
- Keras – Loading pre-trained model, predicting emotion from given picture/stream. Turning image into Numpy array.
- OpenCV – Using face Haar cascades, pre trained classifiers, to detect a face. Open the webcam. Setting ROI and resizing it. Displaying text emotion.
- Numpy – Finding the most common emotion in image turned into array. Returning it into a variable.

CONCLUSION

Future of face detection for many industries still uncertain, but many opportunities and uncapped potential to be had.

Thank you, questions?