**Student name:** Hirva Bhagat

**Academic level/academic standing:** Masters Student- Computer Science

**Graduation Date: May 2023**

Impact Statement: “During my master's program, my focus has been on applying machine learning and computer vision techniques to enhance driver safety. Participating in the SAFE-D project has been an eye-opening experience. Through this initiative, I gained exposure to practical tools like Lancelet and methodologies such as graph-based techniques and graph neural networks, which have proven beneficial in predicting traffic patterns and creating effective models.

Being a part of SAFE-D has offered me tangible insights into the real-world application of my studies in transportation. Collaborating with diverse individuals, including researchers and professionals, within the project has significantly enhanced my teamwork and communication skills. This experience has also deepened my understanding of complex techniques and tools, thereby sharpening my problem-solving abilities. The valuable knowledge gained from SAFE-D has directly influenced my thesis work, prompting me to approach my research more comprehensively by incorporating various measurements and analysis methods."

**Student name:** Akash Sonth

**Academic level/academic standing:** Masters student- Electrical and Computer Engineering

**Thesis/dissertation title and status: “**Enhancing Road Safety through Machine Learning for Prediction of Unsafe Driving Behaviors**”**

**Graduation Date: August 2023**

Impact Statement: “I pursued a master's program centered around the practical and theoretical aspects of machine learning, computer vision, and extended reality. My engagement in the SAFE-D project not only allowed me to put my academic insights into practice but also furnished me with valuable hands-on proficiency in utilizing these methods for traffic analysis and safety. This practical involvement empowered me to incorporate real-world research techniques into reports and academic papers, enhancing my overall knowledge and expertise.”

**Student name:** Sparsh Jain

**Academic level/academic standing:** PhD student- Biomedical Engineering and Mechanics

**Graduation Date: December 2024**

I am pursuing Ph.D. research revolving around transportation safety and crash prevention through detection and prevention of impaired driving. Working on the Safe-D project during my summer internship helped me explore a different angle to understand crashes in and around signalized intersections. While analyzing the Virginia crash database I came across some interesting trends and started investigating intersection-related crashes in a whole new manner. I gained valuable skills through using various analysis and data visualization tools, collaborated with a team of researchers, and learned how to effectively handle large datasets and extract underlying patterns that may be present.