The project helped me learn and understand how different lane marking and pavements can affect the performance of lane detection algorithms in modern Advanced Driver Assist Systems (ADAS). Through this project I was able to explore the current computer vision techniques that are used in Lane detection warning (LDW) and Lane keep assist (LKA) systems and work on corner case scenarios where the existing methods fail. In this project I was able to apply the concepts I learnt in classes like "MEEN 689 – Robotic Perception" and "ECEN 689 – Machine Learning" and experience first-hand what goes into developing perception systems in vehicles. This project also developed my proposal/technical writing skills and allowed me to reflect that writing the conference papers and quarterly reports. All in all, the project exposed me to the real-world scenarios and research methodologies, which would have been difficult to experience, just from the coursework in my degree plan.

Thanks, Safe-D,

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