OVERVIEW

This project represents a significant step forward in automotive cybersecurity. By addressing the critical need for secure ADAS updates, we hope to contribute to a future where autonomous driving technologies can reach their full potential, offering a safer and more connected driving experience for all.

"A SHIELD FOR THE FUTURE OF DRIVING"

FOTA TEAM

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OUR PROJECT

SECURED

FIRMWARE OVER THE AIR

FOR ADAS SYSTEMS

Graduation Project
(2023 - 2024)

TARGET AUDIENCE

Our project caters to **two** key groups:

AUTOMOBILE MANUFACTURERS

They crave efficient and secure methods to update ADAS software. Our system simplifies the process, reduces costs, and ensures the integrity of updates, protecting their brand reputation.

REGULATORY BODIES

Ensuring automotive cybersecurity and software safety are top priorities. We offer a solution that meets their stringent requirements and fosters a more secure driving environment.

PROJECT POTENTIAL

1 REVOLUTIONIZE ADAS UPDATES

Imagine a world where updates occur seamlessly, over the air. Our system streamlines the process, reduces costs associated with physical updates, and allows for faster deployment of critical security patches and bug fixes.

2 ENHANCE SAFETY AND RELIABILITY

Timely software updates are crucial for maintaining optimal ADAS functionality. Our system ensures that ADAS systems stay up-to-date and reliable, ultimately contributing to safer roads for everyone.

3 SET A NEW STANDARD

The automotive industry is rapidly evolving, and security needs to keep pace. Our Secured FOTA system acts as a blueprint for secure software updates, paving the way for a more secure future of driving.

PROJECT SUMMARY

The increasing complexity of ADAS software necessitates a robust update system. Standard FOTA solutions, however, leave vulnerabilities. Our Secured FOTA system bridges this gap. We leverage state-of-the-art security protocols to safeguard the entire update process. From secure communication channels to robust cryptographic algorithms, our system ensures the authenticity and integrity of every update, preventing malicious actors from tampering with the software and compromising ADAS functionality.