IoT devices hacking: Car Hacking

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Introduction to Car Hacking:

What is Car Hacking?

Types of Vehicle Attacks

Wireless Attacks

Hackers can remotely exploit vulnerabilities in a vehicle's wireless communication systems, such as Bluetooth or Wi-Fi.

1 Replay Attack

A **replay attack** is a type of attack in which an attacker captures valid communication data and retransmits it to impersonate a legitimate signal.
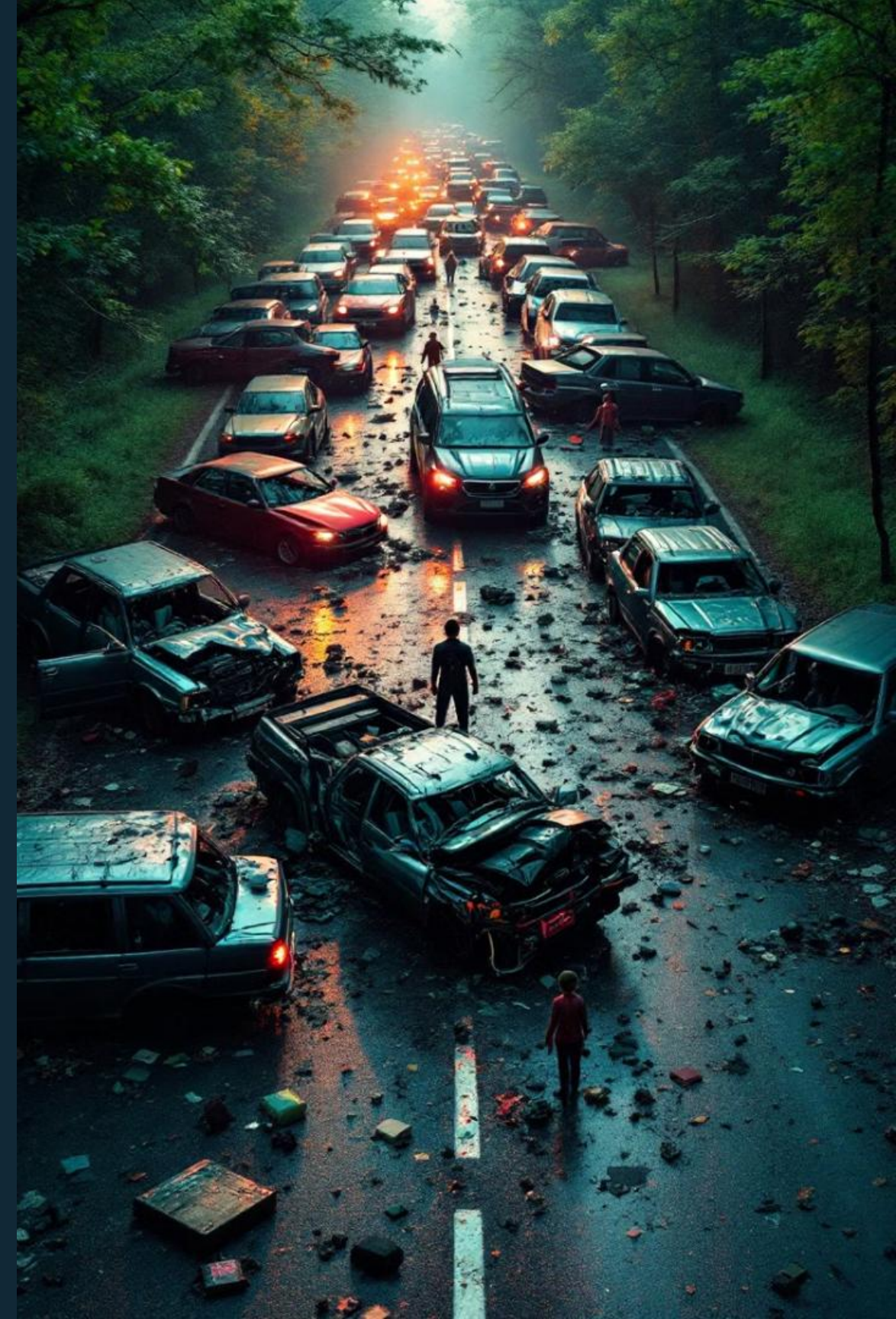
2 Remote Start Attack

A **remote start attack** is a cyberattack that exploits vulnerabilities in a vehicle's remote start system, allowing an attacker to start the car's engine without proper authorization.
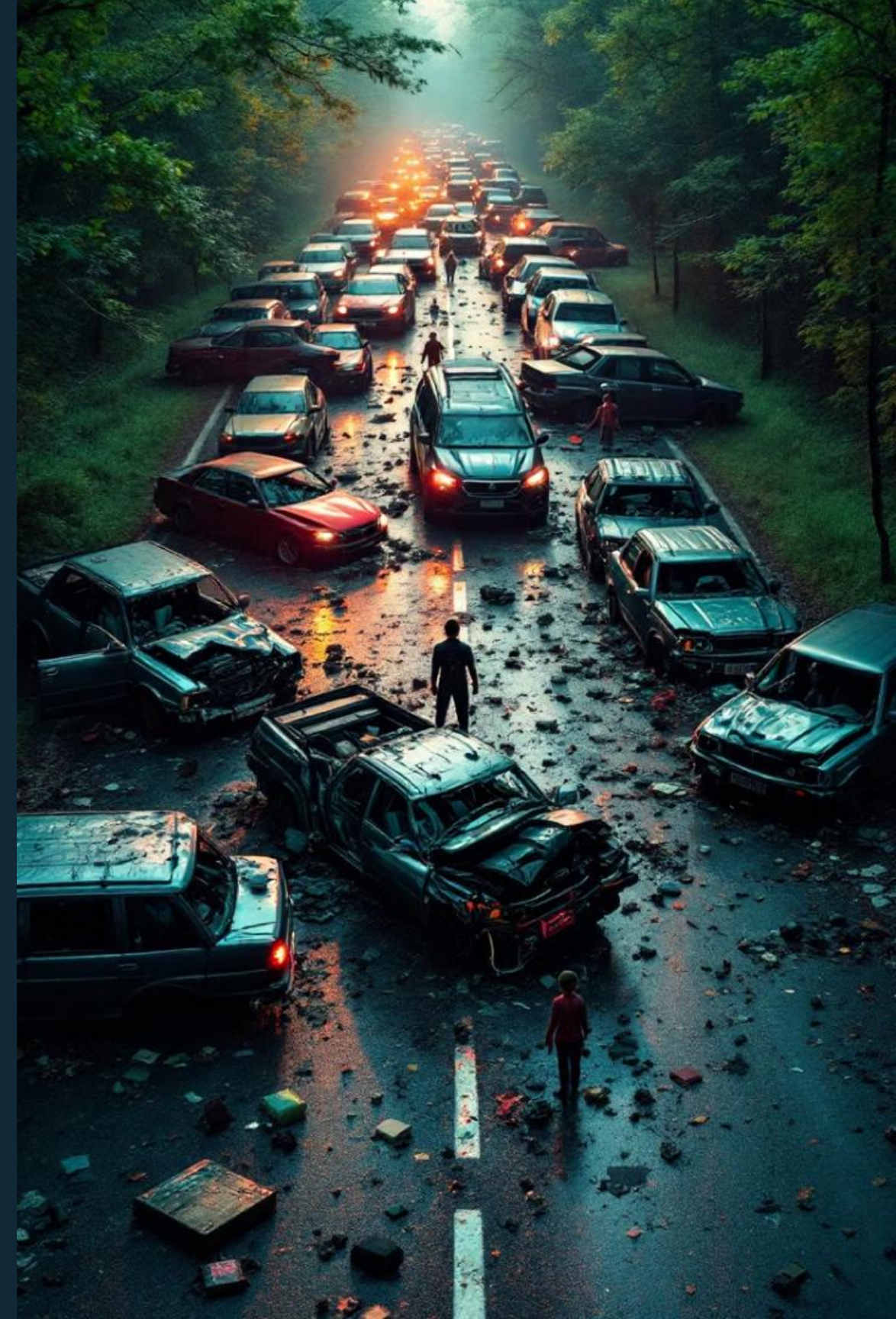
Future work:

Jamming Attack:

A **jamming attack** involves disrupting wireless
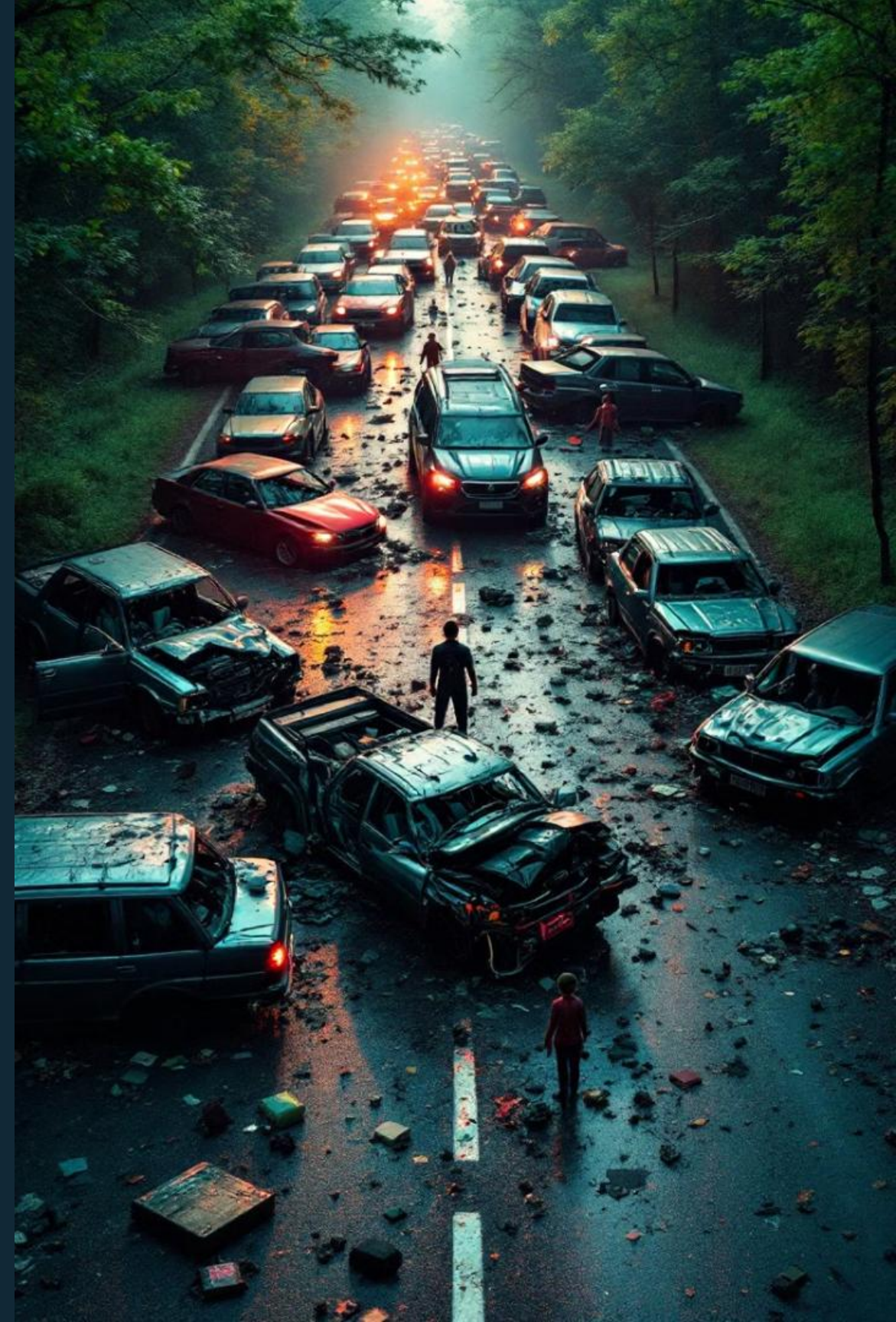communication by emitting interference signals.

Types of car used:

- Mercedes-Benz

- Toyota Innova

- Toyota Land Cruiser

Demo:

Thank you for listening!