

# **Bluetooth Hacking and Vulnerabilities Scanning**

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BY

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## ABSTRACT

# **Bluetooth Hacking and Vulnerabilities Scanning**

Bluetooth technology has become an integral part of our daily lives, enabling seamless connectivity between a myriad of devices. However, this convenience comes with its own set of security challenges. This project delves into the world of bluetooth hacking and vulnerability scanning, aiming to identify potential weaknesses within bluetooth protocols and implementations. By analyzing common attack vectors like BlueBorne and Car Whisperer, we aim to unveil the ways malicious actors exploit bluetooth connections. Through penetration testing tools and traffic analysis, we simulate real-world attacks to assess the resilience of bluetooth-enabled devices. This research not only highlights vulnerabilities but also proposes robust security measures such as firmware updates and secure pairing mechanisms to fortify the bluetooth ecosystem, ensuring the integrity of data and the protection of user privacy.