

Exploring Ethical Hacking: Tools, Techniques, and Defensive Strategies

Shital Dilip Jadhav

MCA Student

Institute of Distance and Open Learning, Mumbai, Maharashtra, India

shitaljadhavck31@gmail.com

Abstract: *The rising prominence of ethical hacking, commonly referred to as penetration testing, has emerged as a significant issue for both businesses and governments. The prospect of being targeted by malicious hackers is a constant worry for companies, while individuals are increasingly concerned about safeguarding their personal information. This article delves into the world of ethical hackers, exploring their expertise, the diverse range of tools they employ, different types of attacks they simulate, and the methods they employ to assist their clients in identifying and rectifying security vulnerabilities. Undoubtedly, this process presents numerous challenges that need to be overcome*

Keywords: Hacking Techniques, hackers approach, call spoofing attack, brute force attack, Bomber, pen testing, MetaSploit

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