# Crypter Introduction

Looking at crypters in Malware Development

## THEORY

**01** Introduction

Overview of crypter development and its importance in malware development

**02** Crypter Introduction

Understanding what a crypter is and its role in malware evasion techniques

**03** Crypter Elements

Breakdown of the components that make up a crypter system

**04** Our Learning Path

Step-by-step approach to learning crypter development techniques

## TECHNIQUES

**05** Building the Crypter (Encryption)

Implementing a basic XOR crypter for payload encryption

**06** Building the Stub (Decryption)

Creating a stub to decrypt and execute the encrypted payload

**07** Payload Embeeding in ADS

Hiding encrypted payload in Alternate Data Streams for stealth

**08** Key Obfuscation

Techniques to hide and protect encryption keys from detection

**09** Encryption Algorithm Improvement

Enhancing security by moving from XOR to AES encryption

**10** Ghostly Hollowing Crypter

Advanced technique combining process ghosting and crypter obfuscation