Completed: Cryptography Concepts – TryHackMe

I'm excited to share that I've successfully completed the Cryptography Concepts room on TryHackMe!
This room strengthened my understanding of fundamental cryptographic principles used in cybersecurity.

Key Concepts Covered:-

1) Encryption vs Decryption:-
Understanding how plaintext is converted into ciphertext and securely reversed.

2) Symmetric Encryption:-
Explored algorithms like Advanced Encryption Standard (AES) and Data Encryption Standard (DES) — learning how a single key is used for both encryption and decryption.

3) Asymmetric Encryption:-
Studied public/private key cryptography including RSA, which is widely used in secure communications.

4) Hashing Algorithms:-
Understood how hashing ensures integrity using algorithms like SHA-256 and MD5.

5) Digital Signatures & Certificates:-
Learned how digital signatures verify authenticity and how certificates support secure connections.

What I Gained:-

Strong foundation in cryptographic principles
Understanding of how encryption secures data in transit and at rest
Practical exposure to real-world security implementations
Cryptography is the backbone of secure communication, and mastering these fundamentals is essential for a cybersecurity professional.

Great work suryakantakapure93! Room completed!

Your skills are skyrocketing!

Completed tasks	Points earned	Streak
✅ 4	⊕ 56	🔥 2

Share your win with your peers

Your progress can inspire others in your community.

Cryptography Concepts completed!

suryakantakapure93 completed another room on their cyber security journey.

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▤ 4	⊕ 56	⊙ 2

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