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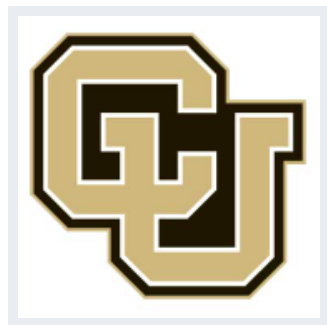
Classical Cryptosystems and
Core Concepts

Mathematical Foundations
for Cryptography

Symmetric Cryptography

Asymmetric Cryptography
and Key Management

Dec 7, 2025

Harsha Kumar D

has successfully completed the online, non-credit Specialization

Introduction to Applied Cryptography

Cryptography is an essential component of cybersecurity. The need to protect sensitive information and ensure the integrity of industrial control processes has placed a premium on cybersecurity skills in today's information technology market. Demand for cybersecurity jobs is expected to rise 6 million globally by 2019, with a projected shortfall of 1.5 million, according to Symantec, the world's largest security software vendor. According to Forbes, the cybersecurity market is expected to grow from $75 billion in 2015 to $170 billion by 2020.

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