



4 Courses

Design and Analyze Secure  
Networked Systems

Basic Cryptography and  
Programming with Crypto  
API

Hacking and Patching

Secure Networked System  
with Firewall and IDS



Apr 3, 2025

**Mandar Kelkar**

has successfully completed the online, non-credit Specialization

# Fundamentals of Computer Network Security

This specialization is intended for learners and IT professionals seeking to develop network system security skills. Through four courses, we will cover the Design and Analyze Secure Networked Systems, Develop Secure Programs with Basic Cryptography and Crypto API, Hacking and Patching Web Applications, Perform Penetration Testing, and Secure Networked Systems with Firewall and IDS, which will prepare you to perform tasks as Cyber Security Engineer, IT Security Analyst, and Cyber Security Analyst.

*Chinghua Chow*

Edward Chow  
Professor  
Computer Science

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Verify this certificate at:

<https://coursera.org/verify/specialization/ZDYLF0FLMGXC>