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Course

- Cyber Security Basics
  - *18 Lectures*
  - Overview
    - Lecture 1
      - Real breach story hook (WannaCry)
      - What is Cyber Security
      - Why it is Important
      - When it starts
      - Encryption/hashing
      - Types of Hackers
    - Lecture 2
      - The CIA Triad
      - The Cyber Kill Chain
      - Career Paths in Cyber Security
      - Course Roadmap
  - Network Fundamentals
    - Lecture 3
      - What is Networking
      - Client-Server Model
      - How Computers Communicate
      - OSI Model (Overview)
      - Ports
      - Protocols
    - Lecture 4
      - IP Addressing in Detail
      - Subnetting
      - DHCP
      - NAT
      - Gateway and Router
  - Web Fundamental
    - Lecture 5
      - How a Website Actually Works
      - Frontend vs Backend
      - HTML, CSS, JavaScript
      - URL Structure
    - Lecture 6
      - HTTP Methods
      - HTTP Status Codes
      - Cookies
      - Sessions
      - APIs
  - OS Fundamental
  - Command Line Types
- Networks Penetration Testing
- Web Application Penetration Testing
- Cryptography
- Defensive Security
- Security Solution