MYSTICYBER

CYBERSECURITY FOR EVERYONE

1-Month Ethical Hacking Course

Key Points:

- Intensive Pace: Designed for beginners to grasp core concepts quickly (4 weeks).
- Entry-Level Focus: Introduces fundamental tools and methodologies, lays foundation for future learning.
- Basic Skill Development: Learn basic vulnerability identification, penetration testing tools, and network security principles.
- Springboard for Growth: Prepares you for entry-level cybersecurity positions and opens doors to further education.

Eligibility:

- Computer Basics: Familiarity with computers, operating systems (Windows/Linux preferred), and internet usage.
- Analytical Skills: Strong problem-solving and analytical abilities to grasp theoretical concepts and apply them in labs.
- Learning Eagerness: Passion for cybersecurity and a willingness to dedicate time to intensive learning.

Syllabus:

- Week 1: Introduction to Ethical Hacking:
  - Understanding the principles and motivations behind ethical hacking.
  - Exploring career paths in the cybersecurity field.
  - Introduction to ethical hacking tools and methodologies.

- Week 2: Networking Fundamentals:
  - Network protocols, IP addressing, and basic network structures.
  - Understanding firewalls, intrusion detection systems, and other security controls.
  - Common network vulnerabilities and exploitation techniques.

- Week 3: Operating Systems Security:
  - Windows and Linux security vulnerabilities, privilege escalation techniques.
  - Introduction to password cracking and exploit scripts.
  - Secure coding practices and ethical considerations.

- Week 4: Penetration Testing Tools and Techniques:
  - Hands-on experience with popular tools like Nmap, Metasploit, and Wireshark.
  - Introduction to web application security vulnerabilities (SQL injection, cross-site scripting).
  - Basic web application scanning and exploitation techniques.
  - Social engineering concepts and awareness of human vulnerabilities.

Objectives:

- Gain a fundamental understanding of ethical hacking principles and methodologies.
- Learn to identify common vulnerabilities in networks and systems.
- Master basic penetration testing tools and techniques for hands-on practice.
- Develop critical thinking and problem-solving skills in a cybersecurity context.

- Prepare for entry-level cybersecurity positions like IT security analyst or security technician.

Job Sectors:

- Entry-level IT Security positions (analyst, technician)
- Junior roles in Security Operations Centers (SOC)
- Helpdesk or support roles with cybersecurity focus
- Foundation for pursuing further cybersecurity certifications and education

Lesson Planning:

- Modular Structure: Each week focuses on a specific topic with lectures, hands-on labs, and interactive activities.
- Blended Learning: Lectures deliver theoretical explanations, while labs offer practical application and case studies.
- Group Activities: Collaborative exercises and discussions enhance learning and encourage peer-to-peer support.

Growth:

- This course is a starting point, not the end goal. Utilize it as a foundation for further learning and certifications.
- Continuous Learning: Cybersecurity is a constantly evolving field. Stay updated on emerging threats and vulnerabilities.
- Networking: Connect with other cybersecurity professionals to build your knowledge and career opportunities.
- Further Education: Explore longer courses, bootcamps, or certifications to advance your skills and reach senior roles.

Number of Lectures:

- Expect around 10-15 lectures, distributed throughout the four weeks, with varying lengths depending on topic complexity.

About the Course:

A 1-month ethical hacking crash course offers a **fast-paced introduction to the cybersecurity landscape**. It's ideal for:

- Beginners who want a taste of the field: Assess your interest and suitability for further learning.
- Career changers seeking a starting point: Gain basic skills and knowledge to transition into cybersecurity.
- Professionals wanting to upskill: Add cybersecurity fundamentals to your existing skillset.

Remember, a 1-month course has limitations. It won't equip you for senior roles. Consider it a **stepping stone to longer programs and continuous learning**.