Week 1 – Networking Basics

Day 1–2: Learn the OSI model, TCP/IP model, and key ports & protocols such as HTTP, DNS, SMTP, FTP, and SSH.

Day 3: Study the basics of firewalls, VPNs, and IDS/IPS to understand network security fundamentals.

Day 4: Introduction to packet analysis using Wireshark. Practice capturing and analyzing HTTP/HTTPS traffic.

Day 5: Networking lab practice. Use tools like ping, traceroute, netstat, and nmap to explore network connections.

Day 6: Review and practice the topics with quizzes and flashcards to reinforce learning.

Day 7: Write a one-page summary of everything you learned to start building your cybersecurity portfolio.