Presentation Outline – Basic Network Sniffer

Slide 1: Title

- Project 1: Basic Network Sniffer

- CodeAlpha Cyber Security Internship

- Submitted by: [Your Name]

Slide 2: Introduction

- Network sniffer = Captures & analyzes packets

- Used in debugging, monitoring, and threat detection

- This project uses Python + Scapy

Slide 3: Objectives

- Capture live packets

- Extract IPs, protocols, payloads

- Understand packet structures

- Save packets for Wireshark

Slide 4: Methodology

- Install Scapy

- Use sniff() to capture

- Callback to process packets

- Save as .pcap

- Real-time testing

Slide 5: Code Implementation

- Python script using Scapy

- sniff() function

- Callback function to display summary

- Additional features: Filter, Save, Continuous capture

Slide 6: Sample Output
- TCP → HTTPS

- UDP → DNS Query

- ICMP → Ping Request

Slide 7: Conclusion
- Python can effectively sniff packets

- Provides insight into network traffic

- Can be extended for IDS/monitoring systems