Hacking Legally: A fun Dive into Cybersecurity Competitions
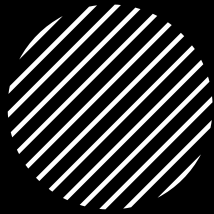
Prepared for CSCE 3550 - Foundations of Security Class

by Kalyan Cheerla

Who am I?

- I'm Kalyan Cheerla, a curious individual who loves building and breaking stuff.
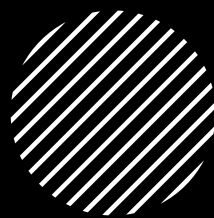
- For more,
  - https://kalyanch.com
  - https://github.com/kalyancheerla
  - https://www.linkedin.com/in/kalyancheerla/
  - kalyancheerla05@gmail.com

What are CTFs?

- What are these?

- Def: check wiki

- https://ctftime.org

CTF Challenge Categories

- Web Exploitation
- Binary Exploitation
- Crypto
- Network
- Reversing
- Forensics / OSINT

Demo

Binary 1, Binary 3
247CTF Web
Network 2
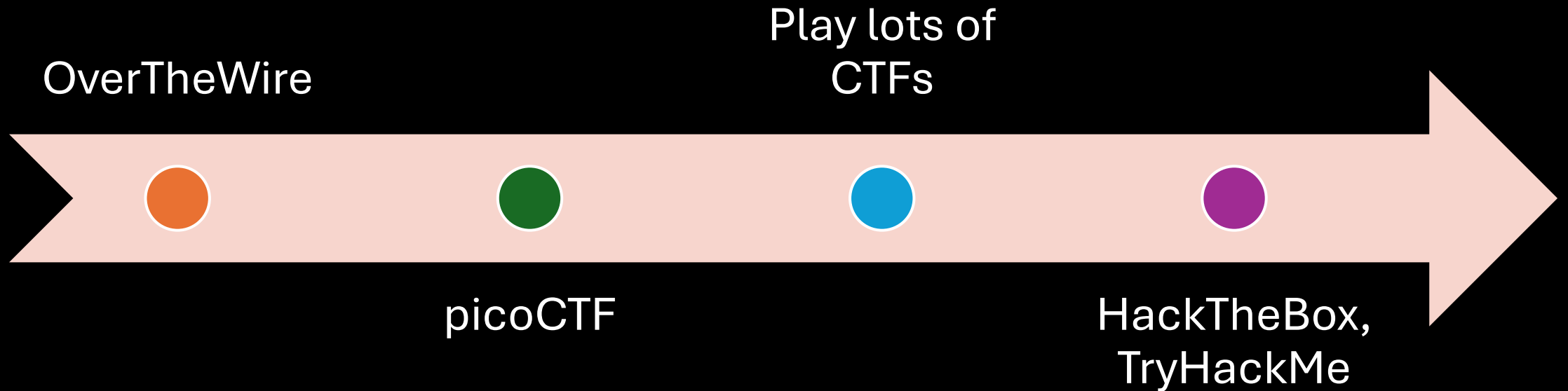Cipher 1
Reverse Engineering

My First Steps
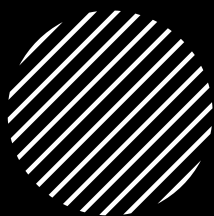

OverTheWire

picoCTF

Play lots of CTFs

HackTheBox, TryHackMe

Skills that help

- Linux CLI 🐧
- Programming (Python, C)
- Networking basics (TCP/IP, DNS, HTTP)
- Problem-solving
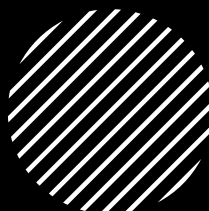
- Never Giving Up!

Why it matters?

- Builds real skills
- Opens doors for internships and jobs (pentester)
- It's fun

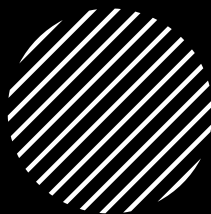# Final Motivation

Stay curious

Hack Ethically

Grow together

Resources

- [My post on CTFs](#)
- [OvertheWire](#)
- [picoCTF](#), [247CTF](#), [CTFTime](#)
- [HackTheBox](#), [TryHackMe](#), [VulnHub](#)
- bugbounty: [Bugcrowd](#)
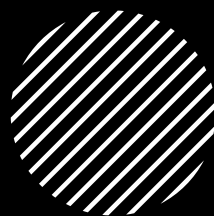- others: [PayloadAllTheThings](#)
- mine: [writeups](#)

Thank you!

any questions?

Fun Challenge!

- https://github.com/kalyancheerla/writeups/tree/main/2023/dicectf/mlog