Lalith Kosuru
Cyber Security Engineer

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Experience and Erudition

10/24 - 12/24
Hacker School
Hyderabad

C|EH Hands-on Training, Offline
- Worked on Linux Distribution
- Pragmatical skills on Enumeration, Foot-printing and Recon
- Configured Proxy chains and Malware for Windows OS.
- Exploited susceptibilities from CMS and Exploit-db
- Utilized Ngrok for a complete OS takeover
- Conducted comprehensive subdomain enumeration
- Advanced on tools like Nmap, msf for exploitation
- Operated on DOS and Session Hijacking
- Evaded firewalls, IDS and Honeypots
- SQL Injection attacks in a controlled environment.
- Captured wireless networks using Aircrack-ng suite

07/24 – 09/24
DevTown
Bengaluru

Cyber Security course, Online
- Designed subnetting strategies for network efficiency
- Configured routers, switches on Cisco Packet Tracer
- Evaluated Cryptographic algorithms on rainbow table
- Performed assessments, leveraging OWASP methodologies.
- Bash and PowerShell scripts for CI/CD pipelines
- Managed IaC using AWS EC2(Elastic Compute Cloud)
- Worked on regular IAM audits on frameworks like GDPR

11/23
JNTU
Hyderabad

Cyber Security Risk Identification using ANN and Event Profiles
- An AI technique for cyber-threats detection based on ANN, an AI-SIEM system based on combination of event profiling for data preprocessing
- Different ANN methods including FCNN, CNN, and LSTM were used actively

02/24
JNTU
Hyderabad

Detection of lung cancer from CT images using SVM and 3D-CNN
- A modified U-Net trained on LUNA16 data was used to first detect nodule candidates in the Kaggle CT scans
- The SVMV (Novel SVM + SOM) Algorithm represents high
- dimensional data as lower and can deliver better visualization on classification results

Professional Experience

- Strong Knowledge on Networking (CISCO Packet Tracer), DNS (TLD & Root Servers), CIDR and subnetting
- Command on Linux (Kali, Ubuntu & Parrot OS), Windows and experience with Mac OS
- Awareness and understanding of CIA triad, Google Dorking, OSI, TCP and UDP protocols, Linux User and Package Management
- Adequate Experience in encryption algorithms, Cryptography, Subdomain Enumeration (takeover with VirusTotal and Sublist3r), SQL and Cross-site Pen testing
- Thoroughness in Bash scripting and Linux commands including WHOIS lookup, traceroute, metagoofil, exiftool, etc.,
- Acquaintance with Foot-printing and Reconnaissance with practical knowledge on certain tools like Shodan, Nmap, httpstatus.io, etc.,
- Familiarity with Identity Access Management (IAM), AWS, OWASP (Auth and 2FA bypass), Nmap,Network and Browser security
- Basic scripting skills in languages like Python, PowerShell, or Bash for automation and security-related tasks
- Graduate Knowledge of ethical hacking principles and methodologies

Skills

Software:
Ubuntu, Parrot OS, Kali, Windows, Mac OS, Python, C, Java

Tools:
Burp Suite, Nmap, Wireshark, Virustotal, Nessus, Metasploit, Wappalyzer, Snort, Aircrack-ng

Technologies:
Shodan, Exploit-db, Tgpt, Deep learning, DevOps, Data Science, IAM, OWASP, OSINT, VAPT, Cryptography

Languages:
English, Telugu, Hindi, Tamil

Education

2020/11 – 2024/6
B. Tech Cyber security, *7.6 CGPA*
Jawaharlal Nehru Technological University, Hyderabad, India

2018 – 2020
Intermediate, *93%*
Sri Chaitanya Junior College, Hyderabad, India

-2018
10th CBSE, *89%*
CMR International, The school, Hyderabad, India

Certificates

- Cyber Security and Ethical Hacking by Ditto Security
- International Conference on AI & ML, Cyber Security and Data Science
- Foundations of Cyber security by CCoE_DSCI, Govt. of India
- ISTE and CSI student chapters' merit certificates
- Udemy certifications on Python, Java, C, and Linux and experience in UI&UX, .NET, Blockchain and Cryptocurrency

Activities and Achievements

- Coordinated a National Level Hackathon, Fabtechulus 2K23, MRITS, JNTU-H
- Emcee for ISO, NAAC and International Conferences
- Human Resources, Public Relations and Cultural Head for Street Cause division, an NGO
- Recognized as the head member of Event Management and Cultural committee
- A votary of NSS and Street Cause (NGO)
- Football team's Captain and won several tournaments
- Ranked first in dancing in Cultural competition conducted by JNTU-H on District level

Interests and Hobbies

- Dancing
- Football, Cricket, Badminton, Basketball
- Watching and reading Sci-fi
- Researching on Space projects, intra-stellar communications and propagations, rocket science