CHAPPETA ABHINAV REDDY

Hyderabad | abhi.chappeta@gmail.com | 9347535046

www.linkedin.com/in/abhinavchappeta | github.com/AbhinavReddy1117

CAREER OBJECTIVE

Cybersecurity undergraduate with hands-on experience in network security, vulnerability assessment, threat analysis, and offensive security through competitive CTFs and security-focused projects. Strong analytical and problem-solving skills with a foundation in enterprise technologies, scripting, and security operations. Passionate about supporting cybersecurity assessments, risk mitigation initiatives, and technology consulting engagements while continuously building expertise in cloud security, governance, and emerging cyber threats.

EDUCATION

VNR Vignana Jyothi Institute of Engineering & Technology, B.Tech in Computer Science in Cyber Security — 2027

- GPA: 8.00/10.0

Trividhyaa Junior College, TGBIE — 2023

- Percentage: 95%

Pallavi Model School, SSC — 2021

- Percentage: 87%

EVENTS/ACHIEVEMENTS

- Secured 1st Place in the BVRIT Capture the Flag (CTF) competition by solving real-world offensive security and exploitation challenges.
- Ranked among the Top 5 teams in the VNR VJIET Red Teaming Competition, demonstrating practical skills in penetration testing and security analysis.
- Achieved a Top 10 national ranking in a 24-hour Capture the Flag competition focused on vulnerability exploitation and incident-solving scenarios.
- Ranked among the Top 30 teams in the IIIT Hyderabad National CTF Competition against participants from institutions across India.

PROJECTS

Web Threat Intelligence

- Designed and implemented an AI-powered threat intelligence solution to identify phishing websites, malicious URLs, and QR-code based attacks using machine learning and NLP techniques.
- Developed a risk-based scoring framework to support security assessments by prioritizing suspicious web resources based on multiple threat indicators.
- Integrated Explainable AI (XAI) capabilities to improve transparency of threat classifications, enabling interpretable security insights for technical and non-technical stakeholders.
- Evaluated detection outputs to minimize false positives and improve decision-making during security investigations.

Vulnerability Scanner

- Developed a Python-based vulnerability assessment tool to automate network reconnaissance, host discovery, and service enumeration using Nmap and Scapy.
- Performed automated port scanning and service identification to assist in identifying potential security weaknesses across networked systems.
- Supported structured security assessments by analysing discovered services and documenting potential attack surfaces for further investigation.
- Applied scripting and automation to improve the efficiency and consistency of vulnerability identification

activities.

TCP/IP Chat App

- Developed a TCP/IP client-server communication application to strengthen understanding of networking protocols, socket programming, and reliable data transmission.
- Implemented connection management and message handling mechanisms while ensuring ordered and dependable communication between distributed systems.
- Applied networking concepts including TCP session establishment, client-server architecture, and protocol-level communication during implementation.

TECHNICAL SKILLS

Programming & Automation: Python, Bash, SQL, C

Operating Systems: Linux, Windows

Networking: TCP/IP, OSI Model, DNS Fundamentals, Network Security

Cloud & Identity: Cloud Computing Fundamentals, Identity and Access Management (IAM), Security Groups

Security Tools: Wireshark, Burp Suite, Nmap, Metasploit, Splunk

Security Domains: Vulnerability Assessment, Threat Intelligence, Malware Analysis, Security Operations (SOC), Ethical Hacking

Web Technologies & Databases: HTML, CSS, Bootstrap, MySQL Server

CERTIFICATIONS

- Microsoft – Introduction to Networking and Cloud Computing
- Microsoft – Introduction to Computers, Operating Systems and Security
- Deloitte Australia – Cyber Job Simulation (Forage)
- Mastercard – Cybersecurity Job Simulation (Forage)
- Bug Bounty Hunting and Web Security Testing – zSecurity

SKILLS & INTERESTS

Interests: Cybersecurity Research, Capture the Flag (CTF), Threat Intelligence, Network Security, Emerging Technologies

Leadership & Co-curricular: General Secretary, VJ Garuda Vigilance Club (Cybersecurity Club), VNR VJIET — Coordinated cybersecurity awareness initiatives, technical workshops, and student engagement activities while collaborating with faculty and student teams to execute club-led events.

Professional Skills: Analytical Problem Solving, Risk-Based Thinking, Stakeholder Collaboration, Technical Documentation, Attention to Detail, Time Management

DECLARATION

I hereby declare that the information provided above is true and accurate to the best of my knowledge and belief. I take full responsibility for the authenticity of the details mentioned in this resume.

CHAPPETA ABHINAV REDDY