BHARATH DIBBADAHALLI HANUMANTHAPPA

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OBJECTIVE

Offensive security enthusiast and Cybersecurity Master's student with hands-on experience building honeypots, crafting custom red team tooling, and simulating adversarial attacks. Seeking a Summer 2025 internship where I can break things by design and help secure them by intent.

EDUCATION

UNIVERSITY OF MARYLAND, COLLEGE PARK College Park, Maryland
Master of Engineering, Cybersecurity Expected May 2026

PES UNIVERSITY Bengaluru, India
Bachelor of Technology, Computer Science and Engineering May 2024
GPA: 3.45

SKILLS

Languages: Python, C, Bash, Rust, Java, JavaScript (ReactJS)
Penetration Testing and Offensive Security: Metasploit, Burp Suite, OWASP ZAP, John the Ripper, Nmap, BeEF, Aircrack-ng, Mimikatz, Social Engineer Toolkit (SET), Netexec, WinRM, Gophish, DNSrecon, Hashcat
Security and Monitoring: Splunk, Snort, Wireshark, Nessus, CISCO Packet Tracer, NIST Framework, CMMC Framework
Web Development: Flask, ReactJS, OpenCV, Postman API
Databases: MySQL, SQLite, MongoDB
DevOps and Cloud: AWS, Docker, Jenkins

TECHNICAL EXPERIENCE

PESU Research Foundation in collaboration with ActiveBytes Bengaluru, India
Intern, Cybersecurity January 2024 – June 2024

- Developed a honeypot network from scratch to simulate real-world attacks, increasing threat visibility by **40%** in test environments.
- Contributed to the creation of an in-house SIEM platform that **reduced average incident response time by 30%**, integrating honeypot data, threat intelligence, and **automated alerting**.
- Collaborated with a team of interns to build a custom SIEM tool integrating honeypots, threat intelligence, and automated incident response, significantly enhancing real-time threat detection and mitigation capabilities.

PROJECTS

AIDORK **February 2025**
- Engineered a GPT-4-powered utility to generate **tailored Google Dorks** from user input, dramatically improving the discovery of exposed personal profiles, leaked documents, and sensitive data online.
- Automated deep content scraping from JavaScript-heavy websites using Selenium, enabling stealthy, hands-free extraction of structured intelligence from dynamic web pages.
- Integrated PyMuPDF for on-the-fly PDF text parsing without downloads, allowing fast, scalable analysis of large volumes of exposed documents.

System Monitoring and Keylogging Tool **August 2024**
- Developed a stealthy Python-based surveillance tool to capture keystrokes, clipboard activity, screenshots, microphone input, and system metadata using Pynput, PIL, and Sounddevice.
- Enabled real-time remote auditing by integrating smtplib for secure, automated exfiltration of logs and media to a controlled server.
- Compiled the tool into a fully portable Windows executable with PyInstaller, supporting frictionless deployment without requiring Python installation.

ACHIEVEMENTS

- **Research Paper:** Presented "Holistic Solutions for ADHD with Machine Learning" at the International Conference on Data Intelligence & Secure Computing (DISC 2024), Chennai. Awarded the "Best Paper" for our track. Publication is in progress.
- Awarded Certificate of Appreciation by the **IEEE Computer Society** for developing a "Real-time Object Measurement Application", achieving **96%** accuracy in measuring objects.
- **Center for Innovation and Entrepreneurship**
  - Co-founded and pitched **"Ethnorent"**, a cultural attire rental platform promoting sustainable fashion and cultural exchange; pre-incubated on *Shark Tank India* and received strategic feedback on scaling and business model optimization.