# BHARATH DIBBADAHALLI HANUMANTHAPPA

College Park, Maryland · bharhanu@terpmail.umd.edu · (+1) 2404327015 · linkedin · bharathportfolio · bharathgithub

# **OBJECTIVE**

A dedicated Master's student in Cybersecurity at the University of Maryland, actively seeking a summer 2025 internship to gain hands-on experience in the field. I bring a solid foundation in threat detection, honeypot development, SIEM tools, and cybersecurity research, along with hands-on experience in designing security solutions and improving incident response systems. Eager to contribute to red team operations and deepen my skills in offensive security, with a particular interest in the social engineering aspect of penetration testing.

#### **EDUCATION**

## UNIVERSITY OF MARYLAND, COLLEGE PARK

Master of Engineering, Cybersecurity

College Park, Maryland Expected May 2026

#### **PES UNIVERSITY**

Bachelor of Technology, Computer Science and Engineering GPA: 3.45

Bengaluru, India May 2024

# **SKILLS**

Python, Bash, Rust, Java, JavaScript (ReactJS), Metasploit, Splunk, Nessus, Burp Suite, Kali Linux, OWASP ZAP, John the Ripper, Nmap, BeEF, Aircrack-ng, Snort, Mimikatz, Social Engineer Toolkit, Netexec, WinRM, Gophish, Cryptography, Wireshark, CISCO Packet Tracer, Flask, ReactJS, OpenCV, MySQL, SQLite, MongoDB, CMMC Framework, NIST Framework, AWS, Docker, Jenkins, Postman API

#### TECHNICAL EXPERIENCE

# PESU Research Foundation in collaboration with ActiveBytes

Intern, Cybersecurity

Bengaluru, India

January 2024 – June 2024

- Developed a honeypot network from scratch for a website, aimed at enhancing threat detection capabilities and contributing to the advancement of the cybersecurity product line for ActiveBytes.
- Gained practical experience in developing, testing, and optimizing modern security solutions while showcasing flexibility and expertise in a fast-paced work setting.
- Collaborated with other interns to develop a SIEM tool with features like honeypot, threat intelligence platform and automated incident response system which enhances threat detection and mitigation.

### **PROJECTS**

**AIDORK** February 2025

- Leveraged GPT-4 (Nous-Hermes-2-Mistral-7B-DPO) to generate customized Google Dorks based on a given keyword, streamlining the discovery of relevant personal profiles, documents, and articles with enhanced search query precision.
- Automated the extraction of structured content from JavaScript-heavy websites using Selenium, enabling efficient, hands-free data collection from dynamic pages.
- Utilized PyMuPDF to extract text from online PDFs without downloads, ensuring fast and accurate processing of large volumes of document data for analysis.

# System Monitoring and Keylogging Tool

August 2024

- Built a powerful Python-based system monitoring application that uses Pynput, Sounddevice, and PIL to automate screenshots and microphone recordings while logging keystrokes, clipboard data, and system information.
- Included Smtplib for secure data transmission, enabling remote logging and system audits in real time.
- PyInstaller was used to package the utility as a stand-alone Windows application, making system deployment simple and removing the need for Python.

#### **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," an innovative platform for renting cultural and traditional attire, promoting sustainable fashion and cultural exchange. The startup was pre-incubated on Shark Tank India, where it received valuable feedback on scaling and refining the business model.