Pannag Kumaar

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EDUCATION

PES UNIVERSITY– Bengaluru, Karnataka — Expected Graduation: - May 2025

Bachelor of Technology in Computer Science Engineering with a CGPA of 8.64

Key Courses: Computer Networks, Computer Network Security, Applied Cryptography, Information Security, Blockchain

TECHNICAL PROFICIENCIES

Proficient in: Python, C, C++, Web Scraping, MERN Stack, Game Development with Unity, Scanner Development.

Cybersecurity Tools: Penetration testing tools including Metasploit, Nmap, Wireshark, Burp Suite, Hydra, Nessus, John the Ripper

EXPERIENCE

Freelance

- Implemented a Plagiarism detection tool PlagU using NLP algorithms, detecting plagiarism with 90% accuracy.
- Created an order-taking app using Flutter, optimizing local business operations resulting in a 60% increase in efficiency.

CERTIFICATIONS AND COURSES

Web Security : PESu IO (Top 3 in class).

TryHackMe Ranking: Top 1% (as of March 2024) {Profile}

Google Cybersecurity Specialisation.

Fundamentals of Computer Network Security Specialization - University of Colorado.

(ISC)² Systems Security Certified Practitioner

EC-Council Cybersecurity for Businesses - The Fundamental Edition.

PROJECTS

- Url Malware Scanner - Employing machine learning algorithms, API-based scanning, and advanced static checks, sophisticated techniques are utilized to analyze websites for malicious content and behavior..
- Port scanner - Built a Python-based Port Scanner with vulnerability detection capabilities, contributing to enhanced network security and reduced cyber threat risks.Efficient in check all 65,535 ports.
- MFA Implementation - Implemented MFA using Diffe-hellman and Totp Mechanisms to establish communication
- PlagU - Developed an advanced plagiarism detection tool employing machine learning models, achieving a 90% accuracy rate in precise plagiarism detection, resulting in a significant reduction in academic integrity violations.
- WriteRightAI - Harnessed the OpenAI API to develop a tool for dictionary lookup, grammar correction, and word suggestions, with the aim of assisting writers in increasing their productivity.
- P-Gen - Engineered a personalized password wordlist generator, optimizing cybersecurity and detecting vulnerabilities. Where it can generate up to 30 million passwords in less than 30 seconds .
- KeyLogger - Implemented a multifunctional Windows Keylogger with advanced features and tested it on 5 machines.
- Website Vulnerability scanner - Designed and deployed a basic website vulnerability scanner using modern technologies, successfully analyzing 50 small websites for potential security flaws. This effort resulted in identifying and mitigating an average of 5 security vulnerabilities per website, reducing the risk of cyberattacks.

ADDITIONAL ACHIEVEMENTS

- **Kodikon 1.0** (Hackathon): Attained a Top 15 Ranking. Worked on building an interactive education website, Edu-on.
- Placed 15th in the MiniVishwaCTF 2024.
- **Kalpana Hackathon**: Secured a top 5 ranking by leading a team to successfully develop and implement a cutting-edge Heart Disease Prediction project based on Machine Learning.
- Secured a 1st place in the **Digital Forensics CTF** among 300+ teams.
- Secured 1st position in the **ISFCR CTF Workshop** with 200+ participants.
- Placed 1st in the **ISFCR CTF** on 07-10-2023 with 300+ participants.

INTERESTS

Penetration Testing, Ethical Hacking, Capture The Flag (CTF) Challenges, Vulnerability Assessment, Threat Intelligence, Malware Analysis, Digital Forensics, Red Team Exercises, Security Tools and Frameworks