

S.KASINADHSARMA

Cyber Security Analyst,Soc,VAPT,Software Development,Full Stack Development,AI Researcher

kasinadhsarma@gmail.com | +916305953487

GitHub | LinkedIn | Portfolio

SKILLS

Programming Languages: Python,Bash,Javascript,Java,C,C++
Libraries/Frameworks: GTK,OpenCV,Openai,NLTK,API,Numpy,Torch Vision
Tools / Platforms: Red Team, Blue Team, Purple Team, Cyber Security, Software Development, UI-UX Front end Development,Backend Development.Full stack Development, AI Researcher, IOT,Research and Development, Google Cloud Research

EXPERIENCE

Try Hack Me | Trainee Online | September 2022 - February 2023

- Enrolled in the TryHackMe platform to learn and practice various cybersecurity skills and techniques.
- Participated in challenges and completed learning paths to enhance knowledge and understanding.

PicoCTF | Trainee Online | November 2022 - April 2023

- Participated in cybersecurity challenges and competitions through the PicoCTF platform.
- Developed skills in areas such as cryptography, web exploitation, reverse engineering, and more.

Intel Unnati | Summer Trainee Online | May 2023 - July 2023

- Participated in the Intel Unnati summer training program.
- Learned about various machine learning projects and their implementation in different modes.

EDZU | Internship December 2023 - April 2024

- Successfully executed penetration testing and participated in development tasks, enhancing my expertise in security technology.
- Led the conceptualization and development of a state-of-the-art cybersecurity solution, integrating learning platforms, software, and technology-driven security measures into a cohesive application.
- Spearheaded the exploration and implementation of innovative solutions for future applications, demonstrating a forward-thinking approach within the constraints of my current role.

PROJECTS / OPEN-SOURCE

EVM.ova Penetration Testing | Link *Penetration Testing*

- Conducted penetration testing on the EVM.ova virtual machine to assess and enhance its security measures.
- Identified and simulated potential vulnerabilities, evaluating the resilience of the virtual machine against various attack vectors.
- Executed comprehensive testing methodologies to uncover security weaknesses and potential exploits within the EVM.ova environment.
- Generated detailed reports outlining findings, including vulnerabilities, risks, and recommended strategies for mitigation.

Home Network Security - Cowrie Implementation | Link *Network Security*

- Implemented Cowrie honeypot to fortify home network security, utilizing a decoy system for detection and analysis of potential threats.
- Monitored and logged malicious activities, ensuring early detection of unauthorized access attempts and potential vulnerabilities.
- Contributed to the educational aspect of cybersecurity by deploying a medium-interaction honeypot, facilitating a better understanding and mitigation of cyber threats.
- Actively reviewed and analyzed Cowrie logs, identifying attack patterns and fortifying overall network defenses.

Vulnerability Book | [Link](#)

Pentration Testing

- Contributed to the development of a comprehensive vulnerability book project, documenting various vulnerabilities in different websites.
- Identified and described vulnerabilities in multiple websites, outlining the potential risks and impact.
- Proposed effective preventive measures and strategies to mitigate the identified vulnerabilities.

PentrationApp | [Link](#)

GTK4.0, Python, Desktop-application, software, cyber security

- Developed a Python-based GUI application using Gtk for penetration testing and cybersecurity.
- Designed an intuitive menu-based navigation system, including submenus for Encryption & Decryption, Web Tools, Software, Hardware, Training Platforms, and CTF Platforms.
- Focused on creating the initial UI/UX design, which guided the development team in translating the design into functional Python code.
- It is a fundamental Python code example demonstrating how to create an application.

Malware Showcase | [Link](#)

Python, Shell

- Learned the fundamentals of malware analysis, including how malware works, through the study of Python code examples.

DeepActionsExperimental | [Link](#)

openCV, GTK4.0, Python3, Numpy, TorchVision

- Developed a robust image manipulation API using Python, Flask, and the OpenCV library, demonstrating strong skills in API development and image processing.
- Optimized the API's performance and integrated it into an existing infrastructure, showing proficiency in server configuration, resource management, and system integration

CyberCity | [Link](#)

Python, Shell, CSS, GTK4.0

- Developing an extended version of the 'Cyber City' PentrationApp, implementing a user-friendly GUI interface and enabling seamless installation of various cyber technologies.
- Integrated additional features such as an extensive library of instructional PDFs and PPTs, and a robust encryption/decryption system, showcasing commitment to continuous improvement and user empowerment
- Future Project Development: The project is currently in development mode and has not been completed.

Cryptography Algorithms | [Link](#)

Python

- The repo is about simple implementation of various algorithms and techniques used in cryptography, namely Simplified DES, Simplified AES, RSA, Caesar Cipher, Monoalphabetic Cipher.

Malware Virus | [Link](#)

Python

- I learned the basics of how malware works from the YouTube channel 'Network Chuncn'.

Malware Samples | [Link](#)

Python

- I have integrated a virtual machine and completed a project on Windows, working with malware samples in a virtual Windows environment.

CERTIFICATIONS

- Introduction Of IOT - **NPTEL**
- Introduction to programming Using python - **HackerRank**
- Play It Safe - **Coursera,Google**
- Foundations Of Cyber Security - **Coursera,Google**
- Cybersecurity Roles, Processes & Operating System Security - **Coursera,IBM**
- Networking Basics - **Cisco**
- Networking Devices and Initial Configuration - **Cisco**
- Introduction Of Cyber Security - **Cisco**

EDUCATION

Parul University
CSE(Cyber Security) B.Tech
CGPA: 7.24

Vadodara
November 2020 - April 2024