Sharanya H Sakri

✉ Sharanya7sakri@gmail.com 📞 9731284236

in linkedin.com/in/sharanya-sakri-210211192 ⦿ github.com/ssakri5

About

Motivated Computer Science graduate with a passion for cybersecurity, currently pursuing Masters in Cybersecurity. Seeking to leverage academic knowledge and practical skills to contribute to the development of robust security solutions and protect digital assets against emerging threats.

Education

MTech in Cybersecurity, *REVA University*   Present

B.E, *S.G. Balekundri Institute Of Technology, Belgavi*   2019 – 2023

SSLC, *JSS Public School Kelageri, Dharwad.*   2016 – 2017

Internship

Data Science intern - NEC Corporation India.
Gained hands-on experience in data preprocessing, statistical analysis, and machine learning techniques. Tools used: Python, Pandas, NumPy, Matplotlib, Seaborn etc..

Web Developer intern - COMSOFT Solutions.
Gained experience in front-end development, working on projects involving responsive and dynamic websites. Languages used: HTML, CSS, PHP, JavaScript.

Projects

Detection Of Distracted Driver Using Machine Learning Techniques
Developed a machine learning model to detect distracted driving behavior from images or video streams captured inside a vehicle. Focused on detecting distractions such as texting, phone usage, eating, adjusting the radio, and drowsiness.

Password Analyzer
Developed an application to evaluate the strength of passwords based on criteria such as length, character types (uppercase, lowercase, digits, special characters), and common password patterns. Provided feedback to users to assist in creating stronger, more secure passwords.

Message Encryption
Developed a Python-based application for message encryption and decryption. Implemented functions to encrypt and decrypt messages using user-provided or randomly generated shift keys.

Vulnerability Scanning and Management
Conducted vulnerability scanning and management using Nessus and OpenVAS tools to identify and assess security vulnerabilities in systems and networks. Utilized both tools to generate detailed reports on potential threats, providing actionable insights for improving security posture. Gained hands-on experience in configuring, running, and interpreting results from these industry-standard tools.

Technical Skills

- Networking
- Cyber Security
- Power BI
- Security Frameworks

- Linux
- Programming : Python, C
- SQL
- Tools : Wireshark, Nmap ,SEToolkit , Metasploit Framework , Burpsuite, Cisco Packet Tracer , Nessus , OpenVAS.

Certificates And Achievements

- Workshop on Power BI by TechTip24
- Certificate by CISCO - NDG Linux Unhatched
- Certificate by IBM-Python 101 for Data Science
- Qualified GATE 2023(AIR-13982)

- Certificate by CISCO - Introduction To Cyber Security
- Certificate by CISCO - Networking Basics.
- Cybersecurity Job Simulation By Mastercard.

Publications

"Detection Of Distracted Driver Using Machine Learning Techniques", International Journal of Research Publication and Reviews (IJRPR) , May 2023. ⧉