

Ganesh G Soppin

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Current Position

Bapuji Institute Of Engineering and Technology

Student, Computer Science And Engineering

Davanagere, Karnataka, India

Nov. 2022 - Present

Education

Siddaganga PU Science College

PCMCs

Davanagere, Karnataka, India

Jul. 2020 - 2022

- **Percentage:** 95%, **CET Rank:** 6,576
- **Programming Languages:** C++, C, Python, SQL, HTML.
- **Learning Skills:** Data Structures and Algorithms, Object-Oriented Programming (OOP), Networking Concepts, Web Development Basics.
- **Tools and Technologies:** SQL Databases, Linux Command Line.

Projects

Phishing Site Detection Using Machine Learning

Major Project

Jun. 2023 - Present

- Developed a machine learning model to detect phishing sites with high accuracy, leveraging techniques such as feature extraction and classification algorithms.
- Implemented various preprocessing and feature selection methods to improve detection rates and reduce false positives.
- Integrated the model into a user-friendly application for real-time phishing site detection.
- Created a browser extension to integrate with the model for seamless user interaction and real-time phishing detection.
- Developed a companion website to provide additional resources, updates, and user guides for the tool.

Tools

Cybersecurity Tools Development

Independent Projects

May 2024 - Present

- **WiFi Tool:** Developed a tool that can jam WiFi signals, steal passwords, create honeypots, and execute WiFi phishing attacks.
- **Phishing Tools:** Created tools specifically designed for executing phishing attacks.
- **Information Gathering Tools:** Developed tools for information gathering.
- **DDoS Attack Tool:** Created a tool to simulate denial-of-service attacks.
- **Drupal Exploit Tool:** Developed a tool to exploit Drupal vulnerabilities for remote code execution in versions less than 7.54.
- **Encryption Tools:** Developed tools for encrypting data.

- XOX Game: Created a simple Tic-Tac-Toe game to demonstrate basic programming skills and logic.

Awards and Achievements

Academic Awards

- Gold Medal in PU (Pre-University) Examination
- Silver Medal in SSLC (Secondary School Leaving Certificate) Examination

Competitions

- Finalist in Smart India Hackathon(National), Cybersecurity and Blockchain Domain, 2023
- 7th Place in RVCE CTF Challenge, 2023
- 2nd Place in Tech Maze Competition organized by GM University, 2024
- 300th Place in Imaginary CTF (International), 2024
- Consolation Prize in Hacktech Fusion 2.0 organized by IEEE and BIET

Practice and Experience

CTF Practice

- Regular practice in CTF challenges on RingZero CTF, enhancing skills in various cybersecurity scenarios.
- Utilize Metasploitable 2 framework for practicing and refining exploitation techniques and vulnerability assessment.

Tools

- Burp Suite: Web vulnerability scanner and proxy tool
- Nmap: Network scanning and enumeration tool
- Metasploit: Penetration testing framework for exploiting vulnerabilities
- SQLmap: Automated tool for SQL injection and database takeover
- Nikto: Web server scanner for detecting vulnerabilities
- Nuclei: Fast and customizable vulnerability scanner
- Swift Scanner: Network scanner for discovering hosts and services
- Xsppear: Tool for finding and exploiting XSS vulnerabilities
- Beef: Browser Exploitation Framework for browser-based attacks
- Bettercap: Network attack and monitoring tool
- Wireshark: Network protocol analyzer for capturing and analyzing network traffic
- John the Ripper: Password cracking tool
- Auto Spy: Tool for automated reconnaissance and information gathering