

Sarthak Priyadarshi

Portfolio: cyberol.codes

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EDUCATION

- **St. Joseph Engineering College** Mangaluru, India
 - *Bachelor of Engineering - Computer Science and Engineering; GPA: 8.07* *December 2022 - June 2026*
 - *Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases*

SKILLS SUMMARY

- **Languages:** Python, C, JAVA, JavaScript, SQL, Bash
- **Skills:** Ethical Hacking, Penetration Testing, Programming, Web Development, Application Development
- **Tools:** Kubernetes, Docker, GIT, PostgreSQL, MySQL, SQLite
- **Platforms:** Linux, Web, Windows, AWS, Azure, Wordpress, Canva
- **Soft Skills:** Leadership, Event Management, Writing, Public Speaking, Time Management

EXPERIENCE

- **Pinnacle Labs** Remote
 - *Cyber Security Intern (Part-time)* *March 2024 - April 2024*
 - **Vulnerability Identification:** Identified a critical vulnerability on the Pinnacle Labs website, leading to improved security measures.
 - **Bash Scripting Projects:** Developed two projects utilizing Bash scripting:
 - **File/Image Encryption Tool:** Created a tool based on GPG public and private keys for secure file and image transfer, achieving encryption accuracy of over 99.9%.
 - **Password Analyzer:** Implemented a password analyzer to detect weak passwords and compare them against common password lists, enhancing overall security.
- **The Cyber Agents.** Remote
 - *Investigation Member (Part-time)* *January 2020 - July 2020*
 - **Cybersecurity Investigation:** Caught 3 scamsters, managed to trace their IP addresses, and located them geopolitically.
 - **Remote Access:** Accessed over 10 mobile phones and laptops via Remote Access Trojans (RATs), facilitating data retrieval and further investigation.
 - **Confidential Data Acquisition:** Recovered confidential information, including details about 5 software tools used for virtual number interactions with victims, significantly aiding in understanding the scam operations.

PROJECTS

- **Guardian-Eye (OpenCV, Arduino, IoT, Application Security, Flask):** (Completed)
 - **AI Detection::** Utilizes AI to identify individuals and unlock the door automatically if a recognized person is detected.
 - **Manual Control::** Allows manual door unlocking through a web application if the person is not recognized.
 - **IoT Based::** Web application developed using Flask, which communicates with Arduino to control the door mechanism over a network.
 - **Cyber Security::** Implements cybersecurity features to ensure secure access control.
 - **Accuracy::** Achieves approximately 75% efficiency in accurate identification and unlocking.
- **Armed Forces Management System (Client-Server, Central DB, Real-time Comm):** (Completed)
 - **Centralized Data::** Enhances accessibility and data consistency for over 10,000 personnel records, facilitating strategic decision-making.
 - **Geographical Connectivity::** Enables personnel from 50+ locations to connect to the server, fostering collaboration.
 - **Scalable Architecture::** Supports up to 1,000 concurrent clients, enhancing system flexibility and responsiveness.
 - **CRUD Operations::** Allows efficient data management with Create, Read, Update, and Delete functions for millions of records.
 - **User-friendly GUI::** Ensures ease of use for all personnel, with a satisfaction rate of 95%.
 - **CLI for Server::** Provides direct control and efficient server management with a response time under 2 seconds.
 - **Real-time Comm::** Facilitates instant updates and information sharing, reducing decision-making time by 40%.

LICENSE AND CERTIFICATION

- Certified Ethical Hacker - EC-Council - December, 2023
- Penetration Testing Essential - OffSec - January, 2024
- Cisco Certified Network Administrator 1, 2, 3 - April, 2024

OTHER CO-CIRUCULAR ACTIVITIES

- **State Level Badminton Player** India
 - *Represented Saharanpur & Bengaluru in State Level Badminton Tournament.*