

Abhiram SS

Cyber Security Researcher

WORK EXPERIENCE

Cyber Security Internship, Chennai, Tamil Nadu ([tutelr.org](#))

Red Team Intern

- Executed simulated penetration testing activities to identify vulnerabilities and weaknesses in simulated systems, applications, and networks, using a variety of training tools and techniques.
- Utilized training tools and technologies such as (list specific training tools you used, e.g., virtual labs, simulation platforms, etc.) to enhance understanding and skills in cybersecurity practices.
- Documented training exercises, methodologies, and simulated findings in reports, demonstrating understanding and application of cybersecurity concepts.
- Led a team of five members during an internship, reviewing their reports, providing feedback, and assisting them in resolving identified issues, ensuring accuracy and comprehensive understanding of cybersecurity practices.
- Used CHAPS to scan vulnerable Windows machines, identifying security weaknesses, and compiled detailed reports on findings and remediation strategies.
- Developed and presented comprehensive reports based on simulated penetration testing activities, tested on Windows 10 vulnerable machines, identifying issues and providing recommendations for remediation.
- Participated in CTF challenges during the internship, and was the first person to obtain root access, guiding the team in enhancing their problem-solving skills and cybersecurity knowledge.

Red Team Cybersecurity Internship([shadowfox.in](#))

- Conducted port scanning to identify all open ports on a website, employing tools such as Nmap.
- Utilized brute force techniques to enumerate directories on a website, demonstrating proficiency in web application testing methodologies.
- Implemented login interception techniques using Wireshark to analyze network traffic and extract credentials transmitted over the network during authentication processes.
- Decoded encoded passwords to unlock encrypted files using Veracrypt, showcasing proficiency in password decoding and disk encryption technologies.
- Utilized PE Explorer tool to analyze executable files, identifying entry point addresses and providing insights into reverse engineering and binary analysis.
- Developed payloads using Metasploit framework to establish reverse shell connections from Windows 10 machines, demonstrating expertise in penetration testing and exploit development.
- Identified and documented 15 vulnerabilities on various systems and applications, receiving commendation for thoroughness and diligence.
- Provided detailed recommendations for mitigating identified vulnerabilities, ensuring enhanced security posture and risk mitigation strategies.

CONTACT

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SKILLS

Tools:

- Metasploit
- Wireshark
- Kali Linux
- Nessus
- Burp Suit
- Bloodhound
- Nmap
- Nessus

EDUCATION

ALVA'S COLLEGE

Bachelor of

Computer Applications

July 2024 | Moodbidri,, Mangalore

GPA: 8.6 / 10.0

COURSEWORK

- Data structures in C
- Networking
- C# and .Net Framework
- ADA in Python
- MySql
- OOPs with Java
- R Programming
- Software Engineering

Languages

- English
- Kannada(Native)

- Generated comprehensive reports detailing methodologies, planning, and execution of attacks on websites, including vulnerability analysis, recommendations, and risk mitigation strategies.

Cybersecurity Internship(codealpha.tech)

- Developed a network sniffer in Python to capture and analyze network traffic, gaining a deep understanding of data flows and network packet structures.
- Created a presentation and online training module on phishing attacks, educating others on recognizing and avoiding phishing emails, websites, and social engineering tactics.
- Reviewed code for security vulnerabilities in Python projects, providing recommendations for secure coding practices and utilizing tools like static code analyzers or manual code review.

THEDOMINDS, Shivamogga, Karnataka

IOT Smart Home Developer Intern 06/08/2023 – 9/08/2023

- Developed a Smart Door system using ESP8266, enabling Wi-Fi connectivity for remote control.
- Integrated a solenoid lock for secure door access, controlled through Arduino IDE.
- Implemented Blynk application for a user-friendly dashboard to monitor and control the door remotely.
- Programmed the system to deny unauthorized access attempts by redirecting to an admin panel.
- Incorporated a secure scanning mechanism, prompting admin approval for door access.
- Utilized a 12V relay adapter for primary power and integrated a battery for backup functionality.
- Created a seamless user experience through a well-designed Blynk dashboard for easy and intuitive door control.
- Ensured robust security measures, combining both hardware and software elements, for a reliable and secure Smart Door solution.

Alvas College, Moodbidri, Mangalore

Front End Developer Intern 05/04/2023 – 23/05/2023

- Developed a responsive and fast website for a college fest program using HTML, CSS, JavaScript, and Bootstrap.
- Overcame responsive design challenges, ensuring optimal usability on both computers and mobile devices.
- Successfully hosted the website on Netlify, and the associated domain was seamlessly accessible globally.
- Achieved a user-friendly design that enhanced accessibility for both desktop and mobile users.
- Demonstrated problem-solving skills by addressing and resolving responsive design issues during the development process.
- Managed the website hosting on Netlify, ensuring the platform's reliability and scalability.
- Effectively utilized a combination of HTML, CSS, JavaScript, and Bootstrap to create a visually appealing and interactive website.
- Contributed to the overall success of the college fest by providing a digital platform that facilitated information dissemination and engagement.

Alvas College, Moodbidri, Mangalore

Backend Developer Intern 28/05/2023 – 12/06/2023

- Enhanced a Google Feedback Form implemented in Google Script by introducing dynamic allocation through PHP.
 - Overcame the limitation of a static interface, ensuring a more user-friendly and adaptable feedback system.
 - Successfully modified the complete feedback form dynamically, addressing the specific needs of the college.
 - The revised feedback form was accepted by the college administration for its improved functionality and usability.
 - Developed an admin access panel to streamline administrative tasks and manage feedback effectively.
 - Demonstrated proficiency in PHP programming to create a dynamic and responsive user interface.
 - Contributed to the enhancement of the feedback process, fostering improved communication between students and the college administration.
 - Played a key role in optimizing and customizing the technological tools used for administrative purposes within the college.
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CERTIFICATIONS

- Certified Penetration Tester (CPT)
Company: [Red Team Academy](#)
Credential ID: RTHACPT1126
- Security Testing From Scratch (18/12/2023)
Company: [Udemy](#)
- Practical Ethical Hacking (07/11/2022)
Company: [TCM](#)
Certificate ID: cert_wqzgyng7
- IoT based door automation project
Company: [thedominds](#)

AWARDS

- National-Level Tech Talk winner
- Inter College Coding Competition Champion
- State state- level coding Competitions Participant