






ABHISHEK REDDY

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PROFILE

A fervent cybersecurity aficionado, Certified Ethical Hacker and Network defender with bachelor's degree in Cybersecurity. My expertise spans Penetration testing, Network administration and Cloud Security. With a strong academic background and hands-on experience, i am dedicated to safeguarding digital landscapes by continuous learning and staying ahead in cybersecurity advancements. Being energetic and hardworking i am eager to embrace new challenges and contribute to innovative security solutions.

PROFESSIONAL EXPERIENCE

- | | |
|-------------------|---|
| 09/2023 – 10/2023 | Internship - Penetration Testing
Hackers4u <ul style="list-style-type: none">• Collaborated with the team to assess vulnerabilities in network infrastructure and applications, database.• Hands on experience in using penetration testing tools and methodologies to simulate real-world cyber threats.• Strengthened technical skills and critical thinking abilities to address security challenges.• Participated in knowledge sharing sessions and staying updated on latest trends.• Cultivated a continuous learning mindset to adapt to new technologies. |
| 12/2022 – 02/2023 | Internship - Cybersecurity & Digital Forensics
CybersecuredIndia <ul style="list-style-type: none">• weekly assignments and documenting the report.• Developing plans for risk assessment and mitigating security incidents and breaches.• Analyzing chain of custody.• Investigating and analyzing malware behavior, purpose and impacts.• working on data preservation techniques |
| 09/2022 – 11/2022 | Internship - Information security administrator
Virtual Testing Foundation <ul style="list-style-type: none">• 10 weeks of immersive training in information security.• Improving co-curricular knowledge to build network and business etiquettes.• Conducted awareness training session.• Creating security documentation, including reports and policies.• Performing security practices on permitted targets.• Assisting in security research and analysis.• Getting familiar with tools and technologies. |
| 07/2022 – 09/2022 | Internship - Networking & Cybersecurity
Cybersocial <ul style="list-style-type: none">• Contributed to the development of cybersecurity awareness training.• Analyzing the threats and vulnerabilities in network infrastructures.• Participated in the setup and configuration of network devices.• Documenting network topology including IP addressing schemes, subnets, VLAN and routing tables.• Conducted vulnerability assessments using tools like Nessus and Nmap to find any risks. |

EDUCATION

2024 – present Saarbrücken, Germany	M.Sc. Cybersecurity Saarland University 
2021 – 2024 Bangalore, India	BCA - Cybersecurity Jain(Deemed-to-be)university  CGPA - 9.13
2019 – 2021 Bangalore, India	PUC - PCMB Vishwachethana PU College Scored - 83.83 %






SKILLS

Red Teaming Web application Penetration testing System exploitation Vulnerability assessments	● ● ● ● ●	Network VAPT Vulnerability detection Network vulnerability exploitation Web application testing System security testing Exploitation testing	● ● ● ● ●
Security Management Risk Assessment Incident Handling Configuration Management ITIL Framework Security Audit	● ● ● ● ●	Programming languages Python for automation Java c++	● ● ● ● ●
Linux System Administration Package management Shell scripting Security hardening.	● ● ● ● ●	Productive Tools Microsoft office Google workspace Resource management Team communication Latex	● ● ● ● ●


LANGUAGES

English — IELTS - 7	German — A1	Hindi
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CERTIFICATES

• CEH v12 - EC COUNCIL 	• Certified Network Defender v2 - EC COUNCIL 	• IBM Cybersecurity Analyst Professional Certificate 	• Practical penetration testing (TCM Security) 
• IBM Python with Data Science 			

PROJECTS

HACBOT 
<ul style="list-style-type: none">• An AI-powered cybersecurity chatbot utilizing Meta-LLama2 for providing accurate and coherent responses to cybersecurity-related queries, aiding security researchers and ethical hackers.• Implemented dual deployment support (RunPod and local) for HackBot, enabling flexible AI-powered cybersecurity analysis and interactive user engagement through a command-line interface.• Enhanced HackBot's capabilities with static code analysis and vulnerability assessment features, delivering clear and well-formatted markdown outputs to identify and mitigate potential security threats.

API BASED NMAP

- Web-based NMAP implementation with API is a super combination of a powerful tool.
- Uses python-Nmap, and Flask framework to perform scans.
- Available in different versions such as community, and enterprise.
- Customizable profiles according to the scan modules.
- Optimized dashboard that helps in monitoring scans

AI BASED ENUMERATION AND EXPLOIT SUGGESTOR

- This project is intended to implement Artificial Intelligence with Cyber Security.
- The main goal of the project is to make an AI that can gather information on a specified target and search for the best possible exploits and all the vulnerabilities on the target using tools that are used by a Cyber Sec professional during a Pentest.
- The main agenda of this tool is to ease the Pentesting process by a little by completing the enumeration and recon part of the process and this will also help in the final report writing

PUBLICATIONS

2023

API BASED NETWORK SCANNING

MAPANA - ISBN: 978-93-95830-43-0

- This paper provides solution to improve the stability and overall usability of a system that involves network vulnerability scanning, that paper involves a efficient resource managing utility over a virtual client to achieve this goal

2022

AI BASED ENUMERATION AND EXPLOIT SUGGESTOR

JETIR

- -This research aims to integrate Artificial Intelligence (AI) techniques into the field of Cyber Security with the primary objective of developing an AI system capable of autonomously gathering and identifying the most effective exploits and vulnerabilities.

2023

ENHANCING FOG COMPUTING BY EXPANDING DATA CENTERS

SIJSS - UGC : Vol 46, Issue 04, No 08 July -2023 : ISSN : 0972 – 8945

- The research paper addresses the challenges in cloud computing due to the rapid growth of the IoT, proposing fog computing as a solution. It focuses on load balancing in fog computing, discussing various algorithms and approaches to optimize resource utilization and reduce energy consumption. The proposed model aims to enhance the processing power and reliability of fog architecture by increasing the number of data centers.

DECLARATION

Every statement mentioned above is true to the best of my knowledge and belief. I assure to work sincerely and be prepared to do hardwork duly abiding by the organization.

R Abhishek Reddy