



ABHISHEK REDDY RAMESH REDDY

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ABOUT ME

IBM certified cybersecurity analyst with strong skill set in system, network, and web hacking with strong academic background in Cybersecurity. My dedication to continuous learning keeps me at the frontline of the latest security trends and technologies. I approach every task as an opportunity to grow and excel, eagerly accepting challenges as opportunities for further skill enhancement and professional development.

WORK EXPERIENCE

09/2023 – CURRENT

INTERNSHIP - AZURE CLOUD AND SECURITY FUTURE READY TALENT - MICROSOFT

- Internship includes self learning and building project using Azure tools, understanding the principle and working of azure security technologies.
- Setup and management of Azure Directory, including user and group, access policies, and Authentication in mock labs.
- Deep understanding in deployment and management of VMs and Azure Kubernetes service.
- Mastered automating workflow and collaboration on Github and managing the lifecycle of project development.
- Developed an LLM powered pdf chatbot using ChatGpt embeddings using azure tools and services.

Website <https://futurereadytalent.in/>

Link <https://github.com/lordprime/LLM-Powered-PDF-Chatbot>

12/2022 – 02/2023

INTERNSHIP - CYBERSECURITY & DIGITAL FORENSICS CYBERSECURED INDIA

- Solving intermediate and advance rooms in Tryhackme and documenting the weekly report.
- Developing plans for risk assessment and mitigating security incidents and breaches by analyzing chain of custody.
- Implementing Access control and firewalls, working on data preservation techniques.
- Investigating and analyzing malware behavior, purpose and impacts.

Website <https://cybersecuredindia.com/>

Link https://drive.google.com/file/d/14_DwhQ2mt-zy0IYWS2MANEFTK5Li21F/view?usp=sharing

09/2022 – 11/2022

INTERNSHIP - INFORMATION SECURITY ADMINISTRATOR VIRTUALLY TESTING FOUNDATION

- Improving co-curricular knowledge to build network and business etiquettes by conducting awareness training session.
- Performing security practices on permitted targets and creating security documentation, including reports and policies.
- Assisting in security research and analysis, Getting familiar with tools and technologies.

Website <https://vt.foundation/>

Link <https://drive.google.com/file/d/13VTQOWd0a131MuP1ZZUuk1pEWJh4G0t3/view?usp=sharing>



06/2022 – 08/2022

INTERNSHIP - NETWORKING & CYBERSECURITY CYBERSOCIAL

- Contributed to the development of cybersecurity awareness trainings to educate society.
- 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.
- Worked closely with cross-functional teams to implement security measures and ensuring compliance with company policies.

EDUCATION AND TRAINING

08/2021 – CURRENT Bangalore, India

BACHELOR OF COMPUTER APPLICATION Jain (Deemed-to-be) University

Website <https://scsit.jainuniversity.ac.in/> | Field of study Cybersecurity | Final grade 9.08 CGPA , 5/6 Sems |

Level in EQF EQF level 7

07/2019 – 07/2021 Anekal, India

PRE UNIVERSITY EDUCATION (12TH) Vishwachethana PU College

Website <http://vcpcdc.org/> | Field of study Science - Physics, Chemistry, Mathematics, Biology | Final grade 83.83 % |

Level in EQF EQF level 6

2009 – 04/2019 Anekal, India

SECONDARY SCHOOL EDUCATION (10TH) Lincoln Memorial English School

Final grade 90.40 %

LANGUAGE SKILLS

Mother tongue(s): **KANNADA**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C1	C1	B2	B2
HINDI	C2	C1	C2	C2	C1
GERMAN	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Security Audit

Programming & Fundamental skills

Java | Python (Scripting and Automation) | C++ | DBMS | Software Engineering | Networking | Bash/ Shell Scripting (Linux)

Cloud Skills

Cloud Security management | AWS (IaaS, PaaS, SaaS, CLI/API, VPS) | AWS Cloud, DevOps | Docker & Kubernetes | Identity and Access Managemnet



IT Operations

IT Security | ITIL Framework | Troubleshooting | Incident Response | Virtualization

Technical Security skills

Vulnerability testing | Network Security | Application security | Encryption and Cryptography | Penetration Testing

Security Management skills

Risk Assessment & Risk Management | Incident Handling | Security Policies | Cloud Security | Configuration Management | Threat Intelligence

Productive Tools

Microsoft office | Team Communications | Google workspace | Resource Management

Soft Skills

Analytical | Adaptability | Ethical Judgement | Result-Oriented | Problem Solving

● ADDITIONAL INFORMATION

PUBLICATIONS

[API BASED NETWORK SCANNING](#) – 2023

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

Mapana | Springer Journal (proceeded for publication)

[ENHANCING FOG COMPUTING BY EXPANDING DATA CENTERS](#) – 2023

The research paper explores the challenges faced by cloud computing due to the rapid growth of the IoT and proposes fog computing as a solution. The paper focuses on load balancing in fog computing and discusses various algorithms and approaches to optimize resource utilization and reduce energy consumption by increasing the data centers and building an reliable infrastructure. The proposed model aims to increase the processing power of fog architecture by increasing the number of data centers, resulting in a more powerful and reliable infrastructure.

Vol 46, Issue 04, No 08 July -2023 : ISSN : 2278-6864

[AI BASED ENUMERATION AND EXPLOIT SUGGESTER](#) – 2022

Delivered an conference paper outlining how artificial intelligence is incorporated into vulnerability assessment systems capable of autonomously gathering and identifying the most effective exploits and vulnerabilities.

Paper ID: JETIRFM06037, Volume 9 Issue 6 June-2022 eISSN: 2349-5162

[INTEGRATING CHATGPT INTO WHATSAPP](#) – 2023

This paper examines the use of GPT-3 & 4 in WhatsApp chat systems, emphasizing improvements that could be made with architectural changes and leveraged the APIs for flawless integration.

(Paper approved yet to be Published)

PROJECTS

2023

CVE-llm_dataset • Designed and contributed to a proof-of-concept project as a research project.
• Entirely devoted to developing a text generation model for sophisticated analysis of common vulnerabilities and exposures, or CVEs.

Link https://github.com/morpheuslord/CVE-llm_dataset



2023

API Based NMAP

- Web-based NMAP implementation with API is a super combination of a powerful tool that 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 and optimized dashboard that helps in monitoring scans

Link <https://github.com/morpheuslord/Nmap-API>

2023

HACKBOT

- HackBot uses text-generation AI models such as llama 27b as a backend AI and custom personas to act as a cybersecurity assistant.

Link <https://github.com/morpheuslord/HackBot>

2022

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

CERTIFICATION AND BADGES

IBM Cybersecurity Analyst Professional Certificate

Link https://www.credly.com/badges/c203c970-c22e-4064-a3fa-373429333b04/public_url

CEH v12- Training

Link <https://drive.google.com/file/d/1DDKtt5j-yif9Aho9X5uwlxIW8Q7P1jWm/view?usp=sharing>

AZ - 500

Link <https://learn.microsoft.com/api/achievements/share/en-us/RABHISHEKREDDY-3669/JGSYJPBT?sharingId=73E4FA7F5CFFA2AC>

Python for Data Science

Link https://www.credly.com/badges/39001512-cd18-496b-a6f6-7ba616d0e89f/public_url

HONOURS AND AWARDS

03/2023

Certificate of Appreciation – Jain University I had an opportunity to present as a speaker about Network Penetration Testing at the "Post Conference Learning - ICRDSTEM 2023" on 27th of March 2023, the session was very interactive and practical oriented.

Link https://www.linkedin.com/posts/r-abhishek-reddy-56b950215_networkpenetration-networksecurity-jainuniversity-activity-7047943888505892864-peow?utm_source=share&utm_medium=member_desktop

2023

BugBounty Found XSS and SQL Injection Vulnerabilities In web application and mitigated the vulnerability and received appreciation.

Link https://www.linkedin.com/posts/r-abhishek-reddy-56b950215_connections-bugbounty-activity-7015385078939758592-6ZUX?utm_source=share&utm_medium=member_desktop