

Vishnu Ambati

Cyber Security Analyst | Network Security Engineer | Java Developer

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Education

N B K R Institute of Science and Technology

CGPA: 7.7

B. Tech - Computer Science and Engineering

July 2020 – June 2023

- Cryptography and Network security
- Computer Networks
- Data Structures and Algorithms
- Object oriented Programming and System
- Artificial Intelligence and Machine learning

Experience

Cyber Security Intern

Vijayawada, India

Supraja Technologies (IT services and IT Consulting)

07/2023 – *

- Basic knowledge of computer networking concepts.
- Knowledge of confidentiality, integrity, and availability principles.
- Knowledge of web development and application security (OWASP Top 10 vulnerabilities).
- Proficiency in using vulnerability scanning tools and penetration testing tools.
- Familiarity with various network and host-based security applications and tools, such as assessment/scanning tools, intrusion detection systems.
- Ability to work with querying data and the role of a SIEM/EDR.
- Good understanding of networking protocols TCP/IP, UDP, SSL, etc.
- Logical thinking and problem-solving skills along with an ability to collaborate.
- Expertise on Vulnerability Management tools- Nessus/Qualys/Acunetix
- Good understanding of MySQL and Oracle.
- Comfortable writing/review code in various languages (e.g. C, Java, Python, etc.)
- Good working knowledge in J2EE and full-stack development
- Experience in using development platforms like Eclipse / Visual Studio.
- Strong programming skills in Java with proficiency in object-oriented design principles.
- Experience with Java frameworks such as Spring and Hibernate.

Personal Projects:

Project name : SQL Injection Login Bypass Prevention

Description : I led the development of a robust security project aimed at preventing SQL injection attacks in authentication login systems. This project focused on enhancing the security of login processes, particularly for web applications, by implementing effective measures to prevent SQL injection attacks.

Project name : Folder Encryption and Decryption

Description : Designed and implemented a versatile Python application that enables users to encrypt and decrypt folders seamlessly through an intuitive Graphical User Interface (GUI). This project aimed to provide users with a secure and user-friendly solution for protecting sensitive data within folders.

Project name : CHECKSUM calculator

Description : Designed and implemented a versatile Python-based checksum calculator, a critical tool for ensuring data integrity and verifying the authenticity of files during data transmission and storage. This project aimed to provide a reliable and user-friendly solution for generating and verifying checksums using various algorithms.

Skills

Programming	:	C, Java (JSE, JEE, Python , Spring, Hibernate), SQL, Java Script
Security Tools	:	Wireshark, Burp suite, Nessus, Nmap, Metasploit, SIEM, Splunk, Kali Linux tools
Network protocols	:	TCP/IP, FTP, HTTP, DNS, SSL/TLS, IPSec, etc.
Network Security	:	VPNs, Firewalls, IDS/IPS, Cryptography and Steganography.
Developer Tools	:	VS code, Eclipse, Anaconda Jupyter, AWS cloud*, Git hub, Virtual Box, VM ware.
Operating Systems	:	Linux, Windows (7,8,10,11), Mac

Certifications

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- Java (Basics) - [HackerRank-https://www.hackerrank.com/certificates/40aa8ddb886b](https://www.hackerrank.com/certificates/40aa8ddb886b)
 - SQL (Intermediate) - [HackerRank - https://www.hackerrank.com/certificates/496b4e4a031c](https://www.hackerrank.com/certificates/496b4e4a031c)
 - Python (Basics) - [HackerRank - https://www.hackerrank.com/certificates/401ffb646b96](https://www.hackerrank.com/certificates/401ffb646b96)
 - A certificate course had been done on **cyber security Intern** From **IBM SKILL BUILD**

Persona Information

Date of Birth	29 TH March 1998
Gender	Male
Marital Status	Single
Location	Electronic city phase -2, Bengaluru - 560100

I hereby declare that the above information is true to my knowledge.

Date: (Vishnu Ambati)

Place: