

VIKAS PATEL M A

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PROFESSIONAL SUMMARY

Ambitious Computer Science graduate with a strong foundation in SOC operations, Threat and Vulnerability Management (TVM), and IMSS. Skilled in leveraging advanced tools like Wireshark, Nmap, QRadar, and FortiSOAR for proactive threat identification and mitigation. Expertise includes incident handling, vulnerability scanning, and automating security processes to safeguard organizational infrastructure and enhance efficiency.

EDUCATION

Bachelor of Engineering (BE) – Computer Science & Engineering

PES College of Engineering, Mandya

Sept 2020 – May 2024

CGPA: 7.42

SKILLS

- Networking: TCP/IP, DNS, DHCP, VPN, Subnetting
 - Operating Systems: Windows, Linux, macOS security fundamentals
 - Cybersecurity Tools: Wireshark, Nmap, FortiSOAR, Qradar, Metasploit
 - Threat & Vulnerability Management: Burp Suite OpenVAS, vulnerability scanning
 - Incident Response: Detection, containment, and recovery from security incidents
 - Penetration Testing: Basic proficiency in vulnerability scanning and ethical hacking
 - Cryptography: Encryption techniques, SSL/TLS, data masking
 - Scripting: Good Knowledge in Python,Java
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Experience

- **AWS Academy: AI-ML Virtual Intern** Sep 2023 - Nov2023
Completed The AICTE AWS AI-ML Virtual Internship and gaining experience in AI-ML technologies. Worked on developing and implementing machine learning algorithms and to Solve real-world problems.
- **Riverdale Solutions Pvt Ltd: SOC Analyst Intern** Jul 2024- Sep 2024
Conduct regular testing and maintenance of cybersecurity systems in line with the Indian Cybersecurity Framework, ensuring compliance and the effectiveness of security measures. Monitoring security breaches to evaluate the organization's defenses, identifying vulnerabilities and recommending improvements to enhance security posture. Handle cybersecurity incidents and complaints.
- **Happiest Minds Technologies Limited** Oct 2024 - Present
Apprenticeship Trainee in Infrastructure Management and Security Services gaining knowledge and experiences in Monitored and analyzed security alerts using SIEM tools to identify potential threats and vulnerabilities. Investigated and resolved incidents with minimal operational impact, ensuring compliance with security standards. Conducted log analysis, malware analysis and vulnerability assessments to detect and mitigate risks. Collaborated with teams to implement proactive security measures and enhance incident response processes.

CERTIFICATIONS

- Cisco Cyberops Associate
 - Cisco Endpoint Security
 - Fortisoar Design and Development
 - Introduction To Cybersecurity by Palalto Network
 - Security Fundamentals Of Network by Palalto Network
 - Cloud Security by Palalto Network
 - Pursuing: Certified Ethical Hacker (CEH)
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PROJECTS

1) Network Vulnerability Assessment

- Identify vulnerabilities in a simulated network environment .Using scanning tools to identify open ports, services, and vulnerabilities. Create a detailed vulnerability assessment report with remediation recommendations.
- Environment: VirtualBox ,Nmap ,OpenVAS , Wireshark.

2) Data Masking in Airport Security Management System

- Developed an innovative solution to ensure passenger data privacy during airport security checks. Implemented advanced data masking techniques and a web-based interface to enhance security.
- Environment: Java,HTML,CSS,JavaScript,MySQL,Tokenization,Dynamic Data Masking

3) Customer Segmentation and Insights Dashboard

- Designed a dashboard to analyze and visualize customer segmentation data for business insights.
- Environment: Collected, cleaned, and analyzed customer data.Dashboards using Tableau Python (Pandas)and Excel.

4) Flood Forecasting and Mitigation using Machine Learning Techniques

- Developed a flood forecasting system using machine learning algorithms, contributing to more accurate predictions and mitigation strategies.
 - Environment: Python(Jupyter Notebook),MachineLearning Libraries,Visual Studio Code
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Soft Skills

- Attention to Detail: Meticulous in analyzing and managing data.
 - Time Management: Efficient in managing multiple tasks and deadlines.
 - Problem Solving: Strong problem-solving skills with a continuous process improvement mindset.
 - Communication: Effective oral and written communication skills.
 - Adaptability: Flexible and responsive to changing demands.
 - Languages: Fluent in English, Hindi, Kannada
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Additional Information

- Willingness to relocate for career advancement opportunities
- Availability for rotational shifts and 24x7 operating environments