

Shirsh Gupta

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• Portfolio

• LinkedIn

EXPERIENCES

Apr. 2023 - Present

Cognizant Technology Solutions

Sr. Security Engineer

- Worked in **Cognizant CIS team**, focusing on **Vulnerability Management** for client infrastructure using **Qualys** and **Rapid7 Nexpose**.
- Registered the assets in the scanning tool and perform scanning as per the agreed schedule.
- Performed Vulnerability Management, including supporting scan tools, implementing vulnerability scans, performing analysis, recommending / tracking mitigation.
- Analyzed & validated** security vulnerability data to identify applicability, **false positives and exceptions**; recommended corrective actions and applied it on **Qualys** and **Rapid7 Nexpose** tools, ensuring the **generation of accurate vulnerability reports**.
- Tracked and provided **remediation steps of vulnerabilities** by using **agreed-upon action plans** and timelines with responsible technology developers and support teams.
- Automated processes**, including the **conversion of IP ranges to IP addresses** and the **segregation of IP addresses**, using '**Bash scripts**'.
- Managed the day-to-day triage of **cyber alerts**, analyzing and **prioritizing** threats/vulnerabilities using **VULNDB** and **Virus Total**.
- Coordinated with other teams to **mitigate security risks** and handle potential incidents.
- Managed and resolved Endpoint Incidents/Alerts** (such as **phishing attacks** and **blocked software installations**) reported on **MS Defender**.
- Validated and updated the **authentication records** to resolve the failure issues to conduct **authenticated vulnerability scans**.
- Developed option profiles** and **Static/Dynamic search lists** on **Qualys** for **customized scanning** based on Security team advisories.

Nov. 2020 - Mar. 2023

Infosys technologies Ltd.

Senior System Engineer

- Worked in Infosys **CyberSecurity Vulnerability Management** team collaborating with **Mercedes Benz & Daimler Trucks security teams** on **Vulnerability Management & Assessment** using **Qualys Cloud Platform & Qualys Agent**.
- Collaborated with Mercedes Benz Security team for **Qualys agent roll-out** activities on **servers and endpoint devices**.
- Possess strong knowledge and experience in **security assessment, vulnerability management, risk-based threat analysis, and security mitigation** techniques. Proficient in using tools like **Qualys Scanner and Qualys Agent**.
- Experience includes working with vulnerability management tools such as **Qualys Scanner and Qualys Cloud Agent**.
- Led a data analytic team**, creating a CISO Dashboard using **flowcharts, graphs**, and other visuals through **Python, SQL, and KPI templates** (prepared in **Excel and Python**).
- Utilized Infosys internal offering '**CyberGaze**' and **Jupyter Notebook** to generate visuals, providing key insights on Compliance and Operational KPIs.
- Analyzed projects related to **Vulnerability Management, Patch Management, Risk Management, SLA adherence, Software Currency**,
- Mentored junior team members** and provide guidance on **security best practices** and procedures.

SKILLS

Languages	Python3 (Scapy), Advance SQL, Bash Scripting, HTML5, CSS3, JavaScript, Node.js.
Tools	Qualys, Nexpose, OpenVAS, Nikto, SQLmap, MS Defender, Wireshark. Nmap, Hashcat.
Platforms	Ubuntu, Kali Linux, Windows
Policies/ Frameworks	GDPR, ISO/IEC 27001, PCI-DSS, HIPAA, NIST
Relevant Skills	Sniffing & Spoofing, DNS Based attacks, ARP Spoofing attack, Basic Networking, Shell Scripting, Governance, Risk Management, Compliance, Vulnerability Management, Data Analysis (Pandas, Matplotlib, Seaborn), programming & Scripting, Cloud Security.

CERTIFICATION & BADGES

Certification Name	Issued By	Links
Ethical Hacker	Cisco	Link
Ethical Hacking Essentials (EHE)	EC Council	Link
Specialist in Vulnerability Management	Qualys	-
Linux Essentials	Cisco	-
Networking Essentials	Cisco	Link
ISO/IEC 27001 Information Security Associate	Skillfront	Link
AZ-900 (Azure Fundamentals)	Microsoft Azure	Link
Python Essentials-I	Cisco	Link
Cybersecurity Essentials	Cisco	Link
Qualys Cloud Agent	Qualys	-
Specialist in Assetview and Threat Protection	Qualys	-

EDUCATION

Jul. 2023 - Present

Birla Institute of Technology and Science, Pilani

Master Of Technology in Software Systems (Cyber Security)

CGPA: 9.0

Aug. 2016 - Sep. 2020

Dr. A.P.J. Abdul Kalam Technical University, Lucknow

Bachelor Of Technology in Electronics & Communication Engineering

C.G.P.A: 8.25

Aug. 2014 - Jul. 2016

M.P.V.M Ganga Gurukulam, Prayagraj

12th in Physics, Chemistry, Maths, English and Computer Science.

Percentage: 87.8%

Jun. 2013 - Jul. 2014

M.P.V.M Ganga Gurukulam, Prayagraj

10th in Maths, Science, Social Science, Hindi, English and IT.

Percentage: 96%

HONORS

- a. **Won 'Insta Award' in 2022** for excellence & on time delivery to Mercedes Benz and Daimler Trucks.
- b. **Won 'Insta Award' in 2021** for providing interesting insight using Visuals and insights (Using CyberGaze and Jupyter Notebook) on Project's compliance and operation to Mercedes Benz and Daimler Trucks security teams.
- c. Won University State Level **Mobile photography competition in 2020.**