

# Shirsh Gupta

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## EXPERIENCES

Apr. 2023 - Present	Cognizant Technology Solutions	Security Engineer
<ul style="list-style-type: none"><li>a. Worked in <b>Cognizant CIS team</b>, focusing on <b>Vulnerability Management</b> for client infrastructure using <b>Qualys</b> and <b>Rapid7 Nexpose</b> tools.</li><li>b. Conducted <b>real-time Vulnerability scanning</b> on assets using <b>Qualys Cloud Platform</b> and <b>Nexpose</b> for effective vulnerability detection and management.</li><li>c. <b>Validated and marked false positive vulnerability</b> evidence as <b>exceptions</b> in <b>Qualys</b> and <b>Rapid7 Nexpose</b> tools, ensuring the <b>generation of accurate vulnerability reports</b>.</li><li>d. <b>Automated processes</b>, including the <b>conversion of IP ranges to IP addresses</b> and the <b>segregation of IP addresses</b>, using <b>'Bash scripts'</b>.</li><li>e. <b>Updated Asset groups and Sites</b> to <b>increase the reliability of the scans</b> and fulfill <b>ad-hoc requests</b> from Operation teams.</li><li>f. <b>Managed and resolved Endpoint Incidents/Alerts</b> (such as <b>phishing attacks</b> and <b>blocked software installations</b>) reported on <b>MS Defender</b>.</li><li>g. <b>Improved on-time reliability of scan results</b> by <b>updating scan profiles</b> and <b>authentication records</b>.</li><li>h. <b>Developed option profiles</b> and <b>Static/Dynamic search lists</b> on <b>Qualys</b> for <b>customized scanning</b> based on Security team advisories</li><li>i. Demonstrated expertise in the information security and <b>IT risk management</b> field, particularly in <b>Network security</b>.</li></ul>		
Nov. 2020 - Mar. 2023	Infosys technologies Ltd.	Senior System Engineer
<ul style="list-style-type: none"><li>a. Worked in Infosys <b>CyberSecurity Vulnerability Management</b> team collaborating with <b>Mercedes Benz &amp; Daimler Trucks security teams</b> on <b>Vulnerability Management &amp; Assessment</b> using <b>Qualys Cloud Platform &amp; Qualys Agent</b>.</li><li>b. Collaborated with Mercedes Benz Security team for <b>Qualys agent roll-out</b> activities on <b>servers</b> and <b>endpoint devices</b>.</li><li>c. Possess strong knowledge and experience in <b>security assessment, vulnerability management, risk-based threat analysis, and security mitigation</b> techniques. Proficient in using tools like <b>Qualys Scanner</b> and <b>Qualys Agent</b>.</li><li>d. Experience includes working with vulnerability management tools such as <b>Qualys Scanner</b> and <b>Qualys Cloud Agent</b>.</li><li>e. <b>Led a data analytics team</b>, creating a <b>CISO Dashboard</b> using <b>flowcharts, graphs</b>, and other visuals through <b>Python, SQL, and KPI templates</b> (prepared in <b>Excel</b> and <b>Python</b>).</li><li>f. Utilized Infosys internal offering '<b>CyberGaze</b>' and <b>Jupyter Notebook</b> to generate visuals, providing key insights on Compliance and Operational KPIs.</li><li>g. Analyzed projects related to <b>Vulnerability Management, Patch Management, Risk Management, SLA adherence, Software Currency</b>, etc.</li></ul>		

## SKILLS

<b>Languages:</b>	Python3, Advance SQL, Bash Scripting, HTML5, CSS3, JavaScript, Node.js.
<b>Tools:</b>	Qualys, Rapid7-Nexpose, CIS Secure suite, Ivanti, Splunk, Uncommon X, MS Defender, Wireshark, Scapy.
<b>Platforms:</b>	Linux, Kali Linux, Windows.
<b>Policies/ Frameworks:</b>	GDPR, ISO/IEC 27001, PCI-DSS, HIPAA, NIST.
<b>Relevant Skills:</b>	Sniffing & Spoofing, Basic Networking, Shell Scripting, Governance, Risk Mgmt., Compliance, Vulnerability Mgmt., Data Analysis, programming & Scripting, Cloud Security.

## CERTIFICATION & BADGES

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

## EDUCATION

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**Jul. 2023 - Present**

**Birla Institute of Technology and Science, Pilani**

- a. Master's Of Technology in Software Systems (Security)

**Aug. 2016 - Sep. 2020**

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

- a. Bachelor's Of Technology in Electronics & Communication Engineering
- b. C.G.P.A: 8.25      Percentage: 82.5%
- c. Worked in ESR Lab (Embedded Systems and Robotics Lab).

**Aug. 2014 - Jul. 2016**

**M.P.V.M Ganga Gurukulam, Prayagraj**

- a. 12th in Physics, Chemistry, Maths, English and Computer Science.
- b. Percentage: 87.8%

**Jun. 2013 - Jul. 2014**

**M.P.V.M Ganga Gurukulam, Prayagraj**

- a. 10th in Maths, Science, Social Science, Hindi, English and Information Technology.
- b. Percentage: 96%

## HONORS

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- 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 JupyterNotebook) on Project's compliance and operation to Mercedes Benz and Daimler Trucks security teams.
- c. Won **University State Level** Mobile photography competition in 2020.

## PROFILES

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**Website:** <https://shirsh-gupta.github.io/>