

# SELVINA SWARNA

6803568215 | [smswarna@syr.edu](mailto:smswarna@syr.edu) | [LinkedIn](#) | [Github](#)

## EDUCATION

<b>Syracuse University, School of Information Studies, Syracuse, NY</b> <i>Master of Science, Information Systems</i>	<b>May 2026</b>
<b>Mumbai University, Ap Shah Institute of Technology, Mumbai, Maharashtra</b> <i>Bachelor of Science, Computer Science and Cybersecurity</i>	<b>May 2024</b>

## WORK EXPERIENCE

<b>Burton Blatt Institute (BBI), Syracuse University</b> <i>Content Developer</i>	<b>Nov 2025 - Present</b> <i>Syracuse University</i>
<ul style="list-style-type: none"><li>• Create 10–15 digital content pieces/week (policy summaries, blogs, social posts), improving outreach engagement by 30%.</li><li>• Rewrite 20–50 page research and policy documents into clear, accessible summaries, reducing review time by 35%.</li><li>• Design infographics and visuals using R, Tableau, Power BI, Canva/Adobe, improving visual clarity and reader retention by 25%.</li></ul>	
<b>Orion Secure</b> <i>Information Security Analyst</i>	<b>Aug 2025 - Present</b> <i>Syracuse, NY</i>
<ul style="list-style-type: none"><li>• Execute vulnerability management with Qualys and penetration testing with Kaseya, reducing exploitable risks by 30% through structured assessments and remediation tracking.</li><li>• Perform risk and compliance activities including audit responses, risk register updates, and policy reviews, strengthening NIST/ISO 2701 alignment and improving audit readiness.</li><li>• Manage ServiceNow remediation workflows, Active Directory access audits, and KnowBe4 phishing training reports, delivering governance insights that supported successful third-party audits.</li></ul>	
<b>Syracuse University</b> <i>Teaching Assistant</i>	<b>Jun 2025 - Aug 2025</b> <i>Syracuse, NY</i>
<ul style="list-style-type: none"><li>• Delivered core cybersecurity instruction on steganography, symmetric/asymmetric encryption (AES, RSA), digital signatures, VPNs, and HTTPS protocols to 20 students weekly, integrating real-world case studies and interactive lab-based learning. Over 95% of students reported increased understanding based on post-lab feedback forms.</li><li>• Designed and led hands-on ethical hacking labs using Kali Linux and Nmap for reconnaissance, vulnerability scanning, and log evasion. These sessions resulted in a 40% improvement in student performance during capture-the-flag challenges.</li></ul>	
<b>Quodeck Technologies</b> <i>Content Data Analyst Intern</i>	<b>Nov 2023 - Jan 2024</b> <i>Mumbai, India</i>
<ul style="list-style-type: none"><li>• Analyzed over 250,000 rows of structured and semi-structured data including sales performance, learner engagement logs, course feedback, and ad campaign metrics using Advanced Excel and SQL, enabling insights that informed product update cycles and marketing pivots.</li><li>• Cleaned, validated, and transformed raw datasets using Excel (VLOOKUP, HLOOKUP, PivotTables, Conditional Formatting) to improve consistency, detect anomalies, and streamline reporting processes. Resulted in a 30% improvement in data usability across departments.</li><li>• Built 4 interactive dashboards using Power BI and Tableau to track key metrics such as revenue growth trends, learner drop-off rates, retention by module, and A/B campaign effectiveness.</li></ul>	

## TECHNICAL SKILLS

<b>Programming &amp; Scripting:</b> Python, R, SQL, PHP, HTML5, CSS3, Java, Django, C++, GO
<b>Data Analytics &amp; Visualization:</b> Advanced Excel, Power BI, Tableau, Google Sheets, Data Cleaning, KPI Analysis, Dashboarding
<b>Business &amp; Collaboration Tools:</b> PowerPoint, Microsoft Office Suite, Google Workspace, Git, SharePoint
<b>Cybersecurity &amp; Tools:</b> Network Security, Ethical Hacking, Vulnerability Scanning, Cryptography, Risk Management, Kali Linux, Nmap, OpenSSL, Qualys, Kaseya, Active Directory, ServiceNow, Auditing, Risk & Compliance Reporting, Metasploitable
<b>Cloud &amp; Data Platforms:</b> Google Cloud Platform, Amazon Web Services, Microsoft Azure, Snowflake
<b>Emerging Technologies &amp; Concepts:</b> Basic NLP, Generative AI Awareness, Penetration Testing Fundamentals, Prompt Engineering, Secure Coding Awareness, Threat Management

## ACADEMIC PROJECTS

<b>CyberPulse Dashboard – Real-Time Threat Monitoring</b>	<b>Jan 2025 - May 2025</b>
<ul style="list-style-type: none"><li>• Developed an interactive Streamlit platform to track security events (failed logins, port scans, suspicious access) with risk categorization (Critical/High/Low) and IP tracking.</li><li>• Integrated AI/ML models for anomaly detection (Scikit-learn) and phishing email classification (HuggingFace), enhancing threat intelligence and predictive analytics.</li></ul>	

## CERTIFICATIONS

<ul style="list-style-type: none"><li>• Google Data Analytics Professional Certificate: Gained skills in SQL, R, Excel, and Tableau. Learned data cleaning, analysis, and visualization. Completed a real-world analytics capstone project (July 2025).</li><li>• IBM Ethical Hacking with Kali Linux: Gained hands-on experience with Kali Linux tools for reconnaissance, vulnerability scanning, and penetration testing in simulated labs (July 2025).</li><li>• IBM Exploitation and Penetration Testing with Metasploit: Applied exploitation and post-exploitation techniques using Metasploit; developed structured reports for risk analysis (July 2025)</li></ul>
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