

SELVINA SWARNA

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EDUCATION

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

WORK EXPERIENCE

Orion Secure Cybersecurity & Information Governance Intern	2025 - Present
<ul style="list-style-type: none">Execute vulnerability management with Qualys and penetration testing with Kaseya, reducing exploitable risks by 30% through structured assessments and remediation tracking.Perform risk and compliance activities including audit responses, risk register updates, and policy reviews, strengthening NIST/ISO 27001 alignment and improving audit readiness.Manage ServiceNow remediation workflows, Active Directory access audits, and KnowBe4 phishing training reports, delivering governance insights that supported successful third-party audits.	
Syracuse University Teaching Assistant	Jun 2025 - Aug 2025
<ul style="list-style-type: none">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.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.Simulated real-world cyber threats as Red Team lead during weekly hackathons; created realistic attack scenarios involving brute force, port scanning, and social engineering. Teams improved their threat response time by an average of 35% across 4 consecutive weeks.	

Quodeck Technologies Content Data Analyst Intern	Nov 2023 - Jan 2024
<ul style="list-style-type: none">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.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.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. These dashboards were integrated into weekly executive meetings.	

TECHNICAL SKILLS

- Programming & Scripting:** Python, R, SQL, PHP, HTML5, CSS3
- Data Analytics & Visualization:** Advanced Excel (VLOOKUP, PivotTables, HLOOKUP), Power BI, Tableau, Google Sheets, Data Cleaning, KPI Analysis, Dashboarding
- Business & Collaboration Tools:** PowerPoint, Microsoft Office Suite, Google Workspace, Git, SharePoint
- Cybersecurity & Tools:** Network Security, Ethical Hacking, Vulnerability Scanning, Cryptography, Risk Management, Kali Linux, Nmap, OpenSSL, Qualys, Kaseya, Active Directory, ServiceNow, Auditing (Access Reviews, Policy Compliance), Risk & Compliance Reporting, Metasploitable
- Cloud & Data Platforms:** Google Cloud Platform (GCP), Amazon Web Services (AWS), Microsoft Azure, Snowflake
- Emerging Technologies & Concepts:** Basic NLP, Generative AI Awareness, Penetration Testing Fundamentals, Prompt Engineering, Secure Coding Awareness, Threat Management

ACADEMIC PROJECTS

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

CERTIFICATIONS

- 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).
- 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).
- IBM Exploitation and Penetration Testing with Metasploit – Applied exploitation and post-exploitation techniques using Metasploit; developed structured reports for risk analysis (July 2025)