

SELVINA SWARNA

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EDUCATION

Syracuse University, School of Information Studies, Syracuse, NY

May 2026

Master of Science, Information Systems

- **Coursework:** Data Science, Business Analytics, Information Security, Applied Machine Learning

Mumbai University, Ap Shah Institute of Technology, Mumbai, Maharashtra

May 2024

Bachelor of Science, Computer Science and Cybersecurity

- **Coursework:** Cloud Computing, Computer Networks, Artificial Intelligence (AI), Operating Systems

WORK EXPERIENCE

Orion Secure | Cybersecurity & Information Governance Intern

2025 - Present

- 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

- 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

- 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

- 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)