

SELVINA SWARNA

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SUMMARY

Information Security Analyst with hands-on experience across **vulnerability management, risk & compliance, and security analytics**. Leverages **Qualys, KnowBe4, ServiceNow, Active Directory**, and **Python, R, SQL, and visualization tools** to reduce exploitable risk by **30%** and shorten review cycles by **35%**. Translates technical findings into **clear dashboards, policy summaries, and stakeholder-ready insights**, improving audit readiness and decision-making. Experienced in delivering practical cybersecurity labs and instruction, with a strong interest in expanding **data-driven security tooling and analytics** to enhance organizational resilience.

WORK EXPERIENCE

Orion Secure

Aug 2025 - Present

Information Security Analyst

Syracuse, NY

- Executed vulnerability management with Qualys and penetration testing via Kaseya, cutting exploitable risks by 30%.
- Performed risk and compliance tasks including audit responses and policy reviews, improving NIST/ISO 2701 alignment and audit readiness.
- Managed ServiceNow remediation workflows, Active Directory access audits, and KnowBe4 phishing reports to support successful third-party audits.

Syracuse University

Jun 2025 - Aug 2025

Teaching Assistant

Syracuse, NY

- Delivered weekly cybersecurity lectures on encryption, digital signatures, VPNs, HTTPS, and steganography to 20 students, with over 95% reporting improved understanding.
- Led hands-on ethical hacking labs using Kali Linux and Nmap for reconnaissance, vulnerability scanning, and log evasion, improving student capture-the-flag performance by 40%.

Quodeck Technologies

Nov 2023 - Jan 2024

Content Data Analyst Intern

Mumbai, India

- Analyzed over 250,000 rows of structured and semi-structured data using Advanced Excel and SQL to inform product updates and marketing shifts.
- Cleaned, validated, and transformed raw datasets with Excel functions and PivotTables to improve consistency and increase data usability by 30%.
- Built four interactive dashboards in Power BI and Tableau to track revenue trends, learner drop-off, retention by module, and A/B campaign performance.

TECHNICAL SKILLS

- **Programming & Scripting:** Python(pandas, NumPy, scikit-learn), R, SQL, PHP, Django
- **Data Analytics & Visualization:** Advanced Excel (Pivot Tables, Power Query, Lookups), Power BI, Tableau, Google Sheets, Data Cleaning, KPI Analysis-, Dashboarding, Data Modelling, Data Storytelling
- **Security Tools & Platforms:** Risk & Compliance (GRC), Security Controls, Policy & Risk Reporting, Qualys (VMDR), Metasploitable, Kali Linux, Nmap, OpenSSL, ServiceNow, Active Directory, KnowBe4, Splunk, Penetration Testing
- **Cloud & Data Platforms:** Google Cloud Platform, Amazon Web Services, Microsoft Azure, Snowflake, Google BigQuery
- **Collaboration & Dev Tools:** Git, Microsoft Office Suite, PowerPoint, Google Workspace

CERTIFICATIONS

- Google Data Analytics Professional Certificate
- IBM Ethical Hacking with Kali Linux
- IBM Exploitation and Penetration Testing with Metasploit
- Foundations of Cybersecurity
- SkillUp Introduction to Ethical Hacking Principles
- Microsoft Introduction to Computers and Operating Systems and Security
- Google Prompt Design in Vertex AI Skill Badge
- Doing more with Google Sheets

EDUCATION

Syracuse University, School of Information Studies, Syracuse, NY

May 2026

Master of Science, Information Systems

Syracuse, NY

- **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

Mumbai, Maharashtra

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

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.

Housing Market Analysis & Prediction

Aug 2025 - Dec 2025

- Led an end-to-end data analytics and machine learning project analyzing historical housing market data, covering data preprocessing, exploratory data analysis (EDA), feature engineering, and predictive modeling to identify key market trends and drivers.
- Built and evaluated machine learning models with explainability techniques and delivered insights through an interactive dashboard, enabling clear interpretation of housing outcomes and data-driven decision-making.

F1 Performance Analytics Dashboard

Aug 2025 - Dec 2025

- Built an F1 Performance Analytics Dashboard in Tableau using data blending and calculated fields to analyze multi-decade race data across drivers, constructors, and circuits, enabling clear comparison of team dominance and track difficulty.
- Delivered BI dashboards visualizing grid-to-finish position changes, DNF trends, and circuit performance patterns, transforming complex racing data into actionable insights for data-driven analysis.