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 **data 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 **security 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 such as **audit responses and policy reviews**, which **strengthened NIST** and **ISO 27001 alignment** and improved 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**, **delivering insights** that directly improved **product features** and **increased marketing** campaign engagement.
- **Cleaned**, **validated**, and transformed raw datasets with **Excel functions** and **PivotTables** to improve consistency and increase **data usability by 30%**.
- **Built four Power BI and Tableau dashboards** driving **targeted improvements** across **revenue**, **retention**, and **A/B 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, Artifical 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**.