

Sadi Jafrey

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EDUCATION

Master of Science in Computer Science

Georgia Institute of Technology

Atlanta, GA

Aug. 2026 – Aug. 2028

Bachelor of Science in Cybersecurity

George Mason University

Fairfax, VA

Jan. 2024 - Dec. 2025

HIGHLIGHTS OF QUALIFICATION

- Hands-on experience in **vulnerability assessment, threat identification, access control, and risk mitigation** across regulated and security-sensitive environments.
- Experience developing and maintaining compliance and vulnerability repositories aligned with NIST, HIPAA, PCI, and ISO standards to organize security requirements and support protection of sensitive data assets.
- Strong technical experience with **Python, Bash, Linux/Unix, Ubuntu, Docker, GDB, spaCy, Prodigy**, and Azure-based ML/NLP tools for security automation, vulnerability analysis, and data integrity monitoring.
- Practical understanding of **secure environment management**, including access controls, isolated virtual environments, containerization, security configuration, controlled data access, and secure operational practices.
- Experience supporting **incident response, compliance, safety, and loss prevention** in regulated environments, with strong attention to documentation, procedural adherence, technical troubleshooting, and security controls.

TECHNICAL AND SOFT SKILLS

Programming Languages: Python, Bash, Java, SQL

Security: Access Control, Vulnerability Assessment, Threat Detection, Risk Mitigation, Incident Reporting, NIST, HIPAA, PCI, ISO, Firewalls, GDB

Communication: Teams, WebEx, Jira, Meet

Microsoft 365: Word, PowerPoint, SharePoint, Outlook, Survey, OneDrive, Excel

Soft Skills: Technical Troubleshooting, Problem Solving, Root-Cause Analysis, Attention to Detail, Team Player

PROFESSIONAL EXPERIENCE

Intern Cybersecurity Associate

Avint LLC

Sep. 2024 – Aug. 2025

Herndon, VA

- Developed a centralized compliance and vulnerability repository aligned with **NIST, HIPAA, PCI, and ISO** standards to support protection and tracking of sensitive government data assets.
- Monitored **access controls** across secure virtual environments containing compliance data and security documentation, supporting controlled access and secure environment management.
- Automated security configuration workflows using **Bash** to standardize security protocols, reduce manual configuration errors, and strengthen controlled environment practices.
- Supported threat identification and data integrity analysis using **Python, spaCy, Prodigy**, and Azure-based ML/NLP monitoring tools.
- Performed vulnerability and compliance data analysis to support **risk mitigation, security monitoring, and protection of sensitive information**.

Shift Supervisor

CVS & Wegmans Pharmacy

Apr. 2020 – Present

Sterling, VA

- Supervise daily operations in high-volume regulated environments while enforcing safety, compliance, access control, and loss prevention procedures.
- Monitor facility access and protect sensitive inventory while maintaining accurate documentation for controlled substances, sensitive materials, and personal medical information.
- Apply established security and compliance procedures to protect sensitive information and maintain **data integrity** across daily pharmacy operations.
- Respond to safety and operational incidents, coordinate staff actions, and reinforce established incident response and security procedures in fast-paced environments.
- Maintain secure operational workflows while coordinating staff responsibilities and ensuring adherence to established regulatory and organizational controls.

Technical Academic Support

Jan. 2024 – Present

Independent

Remote

- Maintained structured student records, attendance data, academic information, and activity documentation using digital tools and standardized record-keeping practices.
- Assisted with **data entry**, document preparation, spreadsheet updates, and organization of academic materials while maintaining accuracy and confidentiality.
- Supported students with basic computer applications, online learning platforms, technical assignments, and digital research in a structured academic environment.
- Coordinated schedules, communicated task requirements, and provided technical and administrative support to ensure assignments and academic activities were completed efficiently.
- Troubleshoot basic software, computer, and connectivity issues during remote academic sessions and guided users through routine technical solutions.

General Member

Jun. 2016 – Jun. 2018

Notre Dame Science Club

Dhaka, Bangladesh

- Assisted the technical team with event data entry, participant registration, spreadsheet management, and documentation for science fairs and robotics workshops.
- Supported setup and operation of computers, presentation equipment, robotics demonstrations, and other technical resources during workshops and science events.
- Collected and organized technical project information, participant records, schedules, and event materials while coordinating with organizers and sponsors.
- Provided on-site technical and logistical assistance, troubleshooting basic equipment or workflow issues and helping maintain smooth event operations.
- Assisted organizers with technical workshop preparation, equipment coordination, presentation setup, and participant support throughout science and robotics activities.

PROJECTS

- **Compliance & Vulnerability Asset Protection System** - *Avint LLC / Academic*
Engineered an ML/NLP-backed repository to identify, categorize, and track vulnerabilities across NIST, HIPAA, PCI, and ISO frameworks. Centralized fragmented compliance requirements into a searchable security database supporting risk mitigation, vulnerability management, and threat response workflows.
- **Vulnerability & Exploit Analysis** - *George Mason University*
Analyzed race conditions, privilege escalation, and buffer overflow vulnerabilities to strengthen threat identification and security assessment capabilities. Investigated concealed system threats using forensic debugging techniques and tools, including GDB, to identify vulnerability behavior and exploitation risks.
- **Secure Environment Deployment & Containerization** - *George Mason University*
Deployed secure web environments within isolated Ubuntu virtual machines using controlled access boundaries and Docker-based containerization practices. Developed file I/O and object-oriented tools with emphasis on data integrity, secure execution, and operational security.
- **Interactive Web Application Development** - *Virginia Tech*
Designed and developed a responsive website using **HTML, CSS, JavaScript, and PHP**, implementing dynamic page components, form validation, session handling, and database connectivity. Structured reusable components and client-server interactions to support reliable data processing and user workflows.
- **Object-Oriented Software Development Project** - *Virginia Tech*
Developed a modular application using **Java and object-oriented programming principles**, implementing classes, inheritance, interfaces, exception handling, file I/O, and data structures. Applied modular design and debugging techniques to build maintainable components and validate application functionality.

CERTIFICATIONS

- CompTIA Security+
June. 2026 – Jun. 2029