SRIJAN SHUKLA

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EDUCATION

M.S. in Security Informatics   August 2025 - December 2026 (Expected)
Johns Hopkins University

B.S. Liberal Arts and Science in Computer Science and Economics   Graduated: December 2024
University of Illinois at Urbana-Champaign

SKILLS

Programming	Python, C/C++, Java, JavaScript, R, HTML/CSS
Compliance Tools	Azure Security Center, Microsoft Defender Suite, IAM/RBAC management
Coursework	Cryptography, GRC, Cloud Computing Security, Intrusion Detection
Soft Skills	Risk Assessment, Data Analysis, Critical Thinking, Adaptability
Languages	Hindi (Fluent), Japanese (Intermediate), Portuguese (Intermediate)

WORK EXPERIENCE

Software Engineering Intern   April 2025 - August 2025
Neev Data   *Chesterbrook, PA*

- Enhanced security posture by conducting backup tests on MongoDB and Microsoft Azure, identifying vulnerabilities and implementing remediation measures affecting test, staging, and production environments.
- Optimized database lifecycle management by automating file tiering in Azure (hot to cool to cold) based on usage, improving cost efficiency and data retention policies across 10 storage accounts.
- Developed and implemented security policies in Azure, including monitoring and applying secure score recommendations, and designing an Azure function to automatically quarantine hazardous files uploaded to blob storage.

Software/Data Analytics Intern   May 2024 - August 2024
ImpaqX   *Philadelphia, PA*

- Developed a proof of concept for a Python-based text similarity comparison tool, which would help to enhance AI-powered product recognition for the Pikclix tool.
- Modified company's data analytics dashboard, adding over 10 new visualizations to track key product statistics.
- Created and presented client pitch decks with data-driven insights from over 75 ImpaqX clients to help boost product adoption and highlight areas of improvement.

Cloud Services Intern   May 2023 - August 2023
meshIQ   *Philadelphia, PA*

- Conducted integration of AWS SQS services with Prometheus, Docker, Nastel X-ray for ML-powered analytics.
- Performed and presented comparative research on AWS SQS vs. Apache Kafka, which helped to create cost-efficient migration plans for the company.
- Trained various ML models extensively utilized by Nastel X-ray with modified datasets for bug fixing and optimization.

PROJECTS

Network Analysis of Journalist "bubbles" on Social Media (Python, R) Worked with the MUSE research group at UIUC to examine how social demographics and existing social inequalities manifest within professional networks such as X (f.k.a Twitter). Performed extensive data collection in aggregate, analysis, and modeling to establish how journalist/information clusters form on the basis of organization, gender, location, etc. Additional details and visualizations created, as well as other projects, are available to view in the portfolio link listed above.