# SRIJAN SHUKLA

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## EDUCATION

**Bachelors of Computer Science and Economics**                                    August 2021 - December 2024
University of Illinois Urbana-Champaign, 3.55 GPA

Relevant Coursework: Discrete Structures, Data Structures, Database Systems, Algorithms, Linear Algebra, Intermediate Micro/Macroeconomics, Econometrics, Macroeconomic Policy, Game Theory

## SKILLS

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|---|---|
| **Programming** | C++, Java, Javascript, Python, R, Prometheus, Django, HTML/CSS, Unreal Engine 5 |
| **Version Control** | Git, Github, Docker |
| **Database** | SQL, MySQL, MongoDB, AWS |
| **Soft Skills** | Problem-Solving, Data Analysis, Critical Thinking, Adaptability |
| **Languages** | Hindi (fluent), Japanese (third level), Portuguese (intermediate) |

## WORK EXPERIENCE

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

- Expanded the feature set on ImpaqX's Pikclix product with adding Python text similarity comparison. Retailers add items to Pikclix's manufacturing database, which can be recognized through AI solutions if already in system.
- Modified ImpaqX's Data Analytics Dashboard by adding new visualizations for Pikclix metrics such as add to cart confirmations, and created pitch decks for future clients based on these visualizations.

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

- Handled the integration of AWS SQS services with Prometheus, Docker, and in-house Nastel X-ray software to show queue metrics with Machine Learning on Nastel's online interface.
- Performed extensive research on Amazon's SQS services and other AWS queue implementations to find optimizations and contrast with the current Kafka ML solution meshIQ has been using. Research was used for the AWS SQS migration and also for future migrations to Google Cloud Platform and Microsoft Azure.

**Data Science Research Intern**                                     May 2021 - July 2021
Johnson & Johnson                                                    *Wayne, PA*

- Shadowed and researched the rollout of the Johnson & Johnson Ebola Vaccine in Africa under Dr. Cynthia Robinson, a senior member of the Ebola Vaccine development department of Johnson and Johnson.
- Analyzed large datasets patient data and pinpointed outliers within Excel and JMP software.
- Presented research findings and summary on the process of The Animal Rule Pathway for vaccine development at Johnson & Johnson to Dr. Cynthia Robinson.

## 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.

## CERTIFICATIONS

**Coursera Google Data Analytics Professional Certificate**                    Completed August 2024