

Sriram Srinivasan

(316) 249 7811 | sriram.yishun@gmail.com | [LinkedIn](#) | [GitHub](#) | Waterloo, IA (Open to relocation)

SUMMARY

Data Analyst with 3+ years of experience across healthcare, education, operational analysis, specializing in patient analytics and product-driven data insights. Measurable impacts include 30% reduction in clinical workflow delays and \$500K+ saved in annual treatment costs. Proficient in SQL, Python, and Power BI, with experience collaborating across clinical and operations stakeholders.

WORK EXPERIENCE

Healthcare Product Developer

Apr 2026 – Present

Chicago Education Advocacy Cooperative

Chicago, IL

- Analyze 100K synthetic diabetic patient profiles using Python, segmenting cohorts by A1C, BMI, activity level, and dietary preference to validate the recommendation engine's input schema against industry healthcare and clinical guidelines.
- Build a patient-facing chatbot that provides personalized meal and activity plans by designing a 2-layer clinical AI system of rules-based dietary recommendation, targeting the dietary follow-up gap affecting 38M Americans with type 2 diabetes.

Data Analytics Consultant

Mar 2025 – Mar 2026

Extern Inc. (backed by Y-Combinator)

New York City, NY

Public Health Data Analyst (Client: TruBridge)

- Identified 10 high-risk counties impacting 3.2M Iowa residents by analyzing colorectal cancer incidence against poverty, insurance coverage, and rent burden using Python's statistical tests (Pearson correlation, t-tests, ANOVA).
- Uncovered estimated \$500K+ annual treatment cost savings through targeted screening by developing interactive Claude dashboard to present insights and resource allocation recommendations to Data Manager.

Healthcare and Workflow Strategy Analyst (Client: Stanford Medicine)

- Conducted root cause analysis on lab-to-action workflows for 150 high-risk nephrology patients, mapping physician and nurse handoffs to identify communication breakdowns delaying follow-up care.
- Built clinical decision-support dashboard tracking case escalation timelines, reducing result-to-action delays by 30% and supporting an estimated \$50K in annual healthcare cost savings through earlier intervention.

People Analytics Analyst (Client: Amazon)

- Identified shift burnout as the top attrition driver across 300 fulfillment associate records by building sentiment analytics pipeline and data visualizations in Python, projecting \$200K in annual employee turnover savings.
- Collaborated with a team of 3 to develop intervention protocol for associates to flag shift burnout conditions to managers, and presented the proposal to Operations Manager that reduced early attrition by 10%.

Market Insights Analyst (Client: Wayfair)

- Reduced Wayfair's rug marketing team's pricing review time by 80% by building a 5 AI-agent analytics system, automating trend discovery, competitor monitoring, and marketing content generation.
- Translated competitor and trend signals into ready-to-use marketing content, generating SEO-targeted blogs and social captions that enabled marketing team to act on insights, estimating \$30K annual labor cost savings.
- Surfaced 4 category expansion signals by analyzing 400+ rug listings across 3 retailers, consolidating findings into a live Google Sheets dashboard adopted by the Operations Lead to inform Wayfair's rug expansion strategy.

AI Engineer (Client: Outamation)

- Built a privacy-first RAG chatbot that reduced estimated mortgage document review costs by \$100K by using FAISS, Mistral-7B, and Tesseract OCR to chunk and index multi-page pay slips, contracts, and lender sheets.
- Informed Outamation's document automation strategies by presenting a RAG chatbot prototype to the Chief AI Officer, enabling the mortgage processing team to query mortgage documents in under 10 seconds.

Data Analytics Graduate Assistant

Aug 2022 – May 2024

Wichita State University

Wichita, KS

- Developed an early-warning analytics system for 800 students in SQL by integrating registrar, financial aid, and department data to proactively identify at-risk students before midterms.
- Built Tableau dashboard into advising workflows by tracking grade trends and pass/fail ratios for 10+ faculty, identifying attendance as the strongest retention predictor and reducing withdrawal rates from 16% to 12%.

Operations Data Analyst

Jun 2023 – Aug 2023

Ennovar Information Systems

Wichita, KS

- Designed an automated HR analytics pipeline using KNIME and SQL to consolidate 1,500 workforce records, reducing manual reporting by 16+ hours per month and enabling real-time workforce insights for HR Operations.
- Identified early-stage onboarding delays as leading churn indicators and built Power BI dashboard to translate findings into retention monitoring system with daily refreshes, delivering 1 month ahead of schedule.

PROJECTS

Hospital Patient Records Analytics | *Power BI, Excel, Python, DAX*

- Analyzed admission trends, average length of stay, and insurance payer coverage for 30K patient records across 10 years using Python and Excel, identifying 500-patient admission spikes by insurance and encounter types.
- Built Power BI dashboard using DAX measures tracking utilization metrics, payer information, and claim costs across 4 clinical KPIs, reducing time-to-insight by 40% for operational cost and patient access reporting.

TECHNICAL SKILLS

Programming Languages: SQL (PostgreSQL, MySQL), Python (Pandas, NumPy, Scikit-learn)

Data Visualization: Power BI, Tableau, Excel

EDUCATION

Master of Science, Computer Science, Wichita State University, Wichita, KS

May 2024

Bachelor of Science, Computer Science, Wichita State University, Wichita, KS

May 2022