

Ravi Suresh

Phone: 765-714-8837

Email: ravikirans723@gmail.com

Summary

Analytical healthcare professional with experience in public health, clinical operations, and applied machine learning. Proven ability to identify inefficiencies in preventative care delivery, patient experience analytics, and administrative approval processes. Skilled in developing data-driven tools and communicating insights across technical and non-technical teams. Demonstrated success in leading initiatives that streamline workflows and improve health outcomes.

Education and Training

08/2022 - 12/2024: Indiana University School of Medicine – Indianapolis, IN

- Completed systems-based clinical curriculum

08/2017- 05/2021: University of Virginia – Charlottesville, VA

- BA Public Health | 3.8 GPA (Honors)

04/2025 - 06/2025: AI in Healthcare Specialization – Stanford University (Coursera)

- Completed 5-course program covering clinical AI applications, medical imaging, predictive modeling, and implementation strategies, culminated in a capstone project

Experience

Public Health Consultant, 04/2023 – 08/2023

Chicago Department of Public Health – Chicago, IL

- Led a prediabetes screening initiative adopted by 50+ community clinics across Chicago to improve early identification and intervention for at-risk populations.
- Co-authored and published a public health abstract demonstrating a statistically significant negative association between community food access and BMI/obesity prevalence.

Community Support Specialist, 08/2021 – 07/2022

Thresholds – Chicago, IL

- Oversaw care coordination for 30+ members with behavioral health conditions and increased appointment attendance and follow-up compliance by 15% through proactive outreach and tracking.
- Maintained detailed, audit-ready documentation in SmartCare EHR to support compliance and care continuity.

Projects

Prior Authorization Predictor Tool - May 2025 - [Github](#)

- AI-powered web app to predict prior authorization approval using a dataset of 10,000+ claims and clinical features.
- Python ML pipeline for predictive analytics and SHAP for transparent explainability; deployed via FastAPI backend and Streamlit frontend on AWS EC2.
- Real-time predictions based on inputs like CPT/ICD-10 codes, documentation status, payer, and urgency.

Hospital Benchmarking Assessment – April 2025 - [Github](#)

- AI-driven analytics tool to benchmark HCAHPS patient experience scores for all 4,000+ U.S. hospitals using CMS data.
- Visualizations and comparative summaries for hospital performance across 10 core patient experience measures.
- Automated generation of presentation-ready PowerPoint reports using python-pptx, enabling streamlined insights for operational teams and advisors.

Skills

- Data analysis: Python, SQL, R, Excel
- Reporting & visualization: Matplotlib, PowerPoint,
- Web apps: FastAPI, Streamlit, AWS EC2/S3
- Stakeholder engagement, presentations