

RAVI SURESH

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PROFESSIONAL SUMMARY

AI Solutions Developer with proven experience building machine learning models and full-stack applications. Combines analytical rigor with creative problem-solving to deliver data-driven solutions that improve operational efficiency. Skilled in Python, React, and modern ML frameworks, with demonstrated success in complex, regulated environments and process optimization.

PROFESSIONAL EXPERIENCE

AI Training Consultant

Outlier AI (Scale AI)

04/2025 - Present

- Evaluate quality of AI-generated data and ensure compliance with project standards for large language model training
- Design and optimize AI training pipelines, building ground-truth datasets for LLM development projects
- Led specialized healthcare AI training initiatives focused on medical reasoning and clinical decision-making scenarios
- Developed challenging test cases and edge scenarios to improve AI model robustness in healthcare applications

Public Health Consultant

Chicago Department of Public Health

04/2023 - 08/2023

- Coordinated care between 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
- Developed data-driven tools and communication strategies for technical and non-technical stakeholders

Community Support Specialist

Thresholds, Chicago

06/2021 - 07/2022

- Oversaw case 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
- Collaborated with multidisciplinary teams to develop individualized care plans and track outcome metrics

FEATURED PROJECTS

ReferralGuard - AI Analytics Platform

FastAPI • React • Machine Learning • AWS

2024-2025

- Built comprehensive referral analytics platform using ML models for pattern detection and leakage prevention
- Implemented real-time dashboard with predictive analytics, serving 50+ healthcare providers
- Achieved 23% reduction in referral leakage through intelligent workflow automation

CareMetrics Pro

React • D3.js • Python • PostgreSQL

2024-2025

- Built analytics platform comparing HCAHPS patient experience measures across hospitals to national and state averages
- Created interactive visualizations enabling healthcare administrators to benchmark hospital performance across multiple quality metrics
- Implemented data processing pipeline to handle and visualize complex healthcare performance datasets

AuthorizationIQ

React • FastAPI • Scikit-learn • PostgreSQL

2024-2025

- Full-stack web application using machine learning models to predict prior authorization approval probability
- Implemented ML pipeline with ensemble methods to analyze authorization requests and provide real-time predictions
- Built responsive user interface for healthcare providers to streamline authorization workflow

TECHNICAL SKILLS

Programming & Data

Python, JavaScript, SQL, R
Data analysis, Statistical modeling
Excel, Pandas, NumPy

AI & Machine Learning

Scikit-learn, TensorFlow
Random Forest, Predictive modeling
LLM Integration, Claude API

Web Development

React, Next.js, TypeScript
FastAPI, Node.js
Tailwind CSS, HTML/CSS

Tools & Deployment

PostgreSQL, Docker
AWS, Vercel, Git
Streamlit, Cursor AI

CORE COMPETENCIES

- Data analysis and statistical modeling
- Full-stack application development
- Process optimization and automation
- Machine learning model deployment
- Stakeholder communication
- Project management and delivery

EDUCATION & TRAINING

AI in Healthcare Specialization

Stanford University (Coursera) • 2024

Machine learning applications, predictive modeling, implementation strategies

Medical Studies

Indiana University School of Medicine • 2022-2024

Biomedical sciences, clinical coursework

BA Public Health

University of Virginia • 2017-2021

3.8 GPA (Honors), Pre-med track, Statistics, R programming

ADDITIONAL INFORMATION

- Available for immediate opportunities
- Open to relocation
- Security clearance eligible