

## Kiran Veernapu

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Affiliation: Intermountain Health, Brown University (AI/Data Science Program)

## Professional Summary

Accomplished technology leader and recognized expert in artificial intelligence, data science, and enterprise healthcare solutions, with over 25 years of cross-disciplinary experience. Demonstrated record in transformative innovation across global organizations including Intermountain Health, Tech Mahindra, Oracle, GE Aviation, and Mercury Marine. Significant leadership in healthcare process automation, supply chain, healthcare analytics, and workforce optimization. National and international acclaim as a scholarly author, invited speaker, peer reviewer, and program committee member for distinguished conferences and journals including IEEE, Elsevier, and Springer. Holds advanced degrees in computer applications and business administration, with ongoing affiliation to Brown University's AI and Data Science Program.

## Education

- Master of Computer Applications, *Osmania University*, 1999
- Master of Business Administration, *Colorado Technical University*, 2024
- AI & Data Science Program, *Brown University*, 2025
- Currently pursuing PhD in AI and Machine learning in Wearable devices and clinical Bioinformatics 2026

## Peer Review & Editorial Roles

- **Peer Reviewer & Judge**
  - Reviewer IGI-Global scientific journal
  - Reviewer for Wiley journals
  - Reviewer for Frontier in Medicine journals
  - Reviewer for MDPI – Bioinformatics
  - Reviewer for Wiley
  - Reviewer for 3 Scopus journals
  - Session chair for MIIRICT conference, Malaysia.
  - Reviewer and session chair for IEEE ICAUC 2026 Thailand conference.
  - Invited Speaker IEEE ICRTCST 2026 conference.
  - Reviewer and author for IMED 2026 conference.
  - Author for EMBC 2026 conference.
  - IEEE World Conference on Applied Intelligence and Computing (AIC 2025): Program Committee Member, Reviewer, Judge (Invited by conference leadership)

- International Joint Conference on Advances in Computational Intelligence (IJCACI 2025, Springer): Reviewer, Judge, Program Committee
- Elsevier's MethodsX & Data in Brief: Peer Reviewer for manuscripts in AI, healthcare, and data science methodologies
- Evaluated 60+ manuscripts for top-tier IEEE/Springer/Elsevier conferences and journals
- **Editorial Recognition & Roles**
  - IGI Global: Book chapter author ("Real-time AI in Clinical Decision Support") for an accepted edited volume
  - Author of a book chapter for Bentham publications.
  - Senior journal reviewer for several high-impact outlets focused on AI, healthcare, and computational methods

## Scholarly Achievements

- **Research Impact**
  - Authored 25 peer-reviewed articles in leading journals such as Progress in Medical Sciences, Journal of Artificial Intelligence, Machine Learning and Data Science, International Scientific Journal of Engineering and Management
  - Published, cited, and downloaded across more than 29 countries on ResearchGate, Academia.edu
  - Independent citations and implementation of methodologies by US/International healthcare systems and corporations
- **Conference Leadership**
  - Invited keynote speaker, session chair, and judge at prominent global conferences (IEEE, Springer, Nazarbayev University, NIT Goa, Sardar Patel University)
  - Chaired tracks on AI in clinical and industrial domains, awarded for leadership and scholarly rigor
- **Judging & Reviewing**
  - Rigorous reviewers recognized for high rejection rates (>60% in major venues), strengthening publication quality
  - Technical feedback directly shaped editorial decisions for noted international journals

## Professional Experience

- Manager, Engineering Delivery  
Intermountain Health — 2016–Present  
Led transformative AI/data frameworks in clinical operations, supply chain and workforce optimization, resulting in over \$5M in savings. Improved patient safety and operational resilience.

- Senior Manager, Software Engineering & BI  
TEKsystems (GE Aviation) — 2010–2012  
Automated GE aviation’s supply chain and service management processes. Enhanced forecasting accuracy and reduced operational costs helped the growth of \$220 billions backlog orders.
- Program Architect, Digital Transformation  
Mercury Marine — 2012–2015  
The world’s top recreational boat engine manufacturer. Designed enterprise-wide BI and data warehouse solutions. Optimized manufacturing workflows and inventory management.
- Principal Architect  
Tech Mahindra — 2003–2010  
Architected an award-winning BPM platform (eSupport) with global adoption. Delivered substantial impact on Fortune 500 operations.
- Architect, Product Implementor  
Oracle — Various Years  
Identified system limitations and designed enhancements adopted globally for healthcare ERP AI and analytics modules.

## **Awards & Recognitions**

- Global Recognition Award, 2025 (Selected from 4% of applicants worldwide for AI-enabled healthcare innovation)
- Frost & Sullivan Technology Innovation Leadership Award (Tech Mahindra, 2005–2010)
- Multiple Certificates of Appreciation & Attestation from IEEE conference and journal leadership
- Utah STEM Education Advisory Council
- Intermountain Health supply chain recognized as “Supply Chain Master” by Gartner
- Distinguished session chair and competition judge for international hackathons and innovation competitions

## **Major Publications (Selected)**

- “Harnessing AI and Data Science to Mitigate Health Inequities,” Journal of Artificial Intelligence, ML & DS (2024)
- “AI-Driven Diagnostics for Retinal Disorders and Eye Diseases,” Journal of Artificial Intelligence, ML & DS (2024)
- “Real-time AI in Clinical Decision Support,” IGI Global Book Chapter (2025, accepted)
- Numerous applied clinical decision support, supply chain, fraud detection articles

## **Professional Memberships**

- Senior Member, IEEE
- Program Committees, Reviewer for Elsevier, Springer, IEEE conferences and journals

### **Additional Contributions**

- Advisory council member : Utah department of education STEM advisory council member
- Invited educator and speaker for global academic programs
- Recognized leadership in digital transformation initiatives impacting millions of patients

Kiran Veernapu is available for peer review, editorial leadership, and invited scholarly roles in leading journals and conferences in the fields of artificial intelligence, data science, healthcare innovation, and enterprise IT.