

Ramin Safa

RAEng Endorsed UK Global Talent | AI & Health Informatics Researcher | Applied Healthcare AI Specialist

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Profile Summary

AI researcher specializing in healthcare applications, mental health prediction, and clinical decision support systems. Experienced in translating advanced AI and NLP models into practical solutions for healthcare, including suicide prevention and patient risk prediction. Experienced in mentoring graduate students, leading research labs, and contributing to the global AI research community

Research Interests

- Artificial Intelligence & Machine Learning
- Natural Language Processing & Text Mining
- Predictive Analytics for Mental Health
- Translating Theoretical Models into Practical Applications

Academic & Leadership Experience

Assistant Professor & Head of Computer Engineering Department – Ayandegan Institute of Higher Education (2022–2025)

- Founded the Applied Data Science Lab, advancing AI research in healthcare.
- Supervised 30+ MSc theses; generated 10+ high-impact publications from student research.

Director, Innovation Hub – Ayandegan Institute of Higher Education (2020–2023)

- Organized workshops, conferences, and seminars to promote AI and digital health research.
- Mentored students on interdisciplinary AI projects.

Journal Manager & Technical Lead – REA Publications (2023–2025)

- Managed editorial workflows and journal website technical systems for AI-focused publications.

Visiting Lecturer – Various Institutions (2017–2022)

- Delivered 10+ advanced courses on AI, NLP, data mining, and web programming to 500+ students.

Education

- **PhD in Computer Engineering**, Azad University (2015–2022) | GPA: 19.13/20

Dissertation: Multimodal Analysis of Social Data for Predicting Users' Psychological Profiles

- **MSc in Information Technology**, University of Guilan (2012–2014) | GPA: 17.80/20
- **BSc in Computer Engineering**, Azad University (2009–2012) | GPA: 17.32/20

Selected Publications

Book Chapter

- **Safa, R.**, Edalatpanah, S. A., & Sorourkhah, A. (2023). "Predicting Mental Health Using Social Media: A Roadmap for Future Development." *Deep Learning in Personalized Healthcare and Decision Support*. Academic Press. | <https://doi.org/10.1016/B978-0-443-19413-9.00014-X> | Cited: 32+ times

Selected Journal Papers (+10 Papers in total)

- Pourkeyvan, A., **Safa, R.**, & Sorourkhah, A. (2024). "Harnessing the Power of Hugging Face Transformers for Predicting Mental Health Disorders in Social Networks." *IEEE Access*, 12, 28025-28035. | <https://doi.org/10.1109/ACCESS.2024.3366653> | Q1, Cited: 38+ times
- **Safa, R.**, Bayat, P., & Moghtader, L. (2022). "Automatic Detection of Depression Symptoms in Twitter Using Multimodal Analysis." *The Journal of Supercomputing*, 78(4), 4709-4744. | <https://doi.org/10.1007/s11227-021-04040-8> | Q2, Cited: 110+ times

Selected conference Papers (+16 Papers in total)

- Ebrahimzadeh, F., & **Safa, R.** (2024). "Unlocking the Potential of the Metaverse for Innovative and Immersive Digital Health." *Proceedings of the 3rd Seminar on Data Science and Its Applications*, Mashhad, Iran. | <https://doi.org/10.48550/arXiv.2406.07114> | Cited: 4+ times

Research Impact (as of September 2025)

- **h-index: 7 | i10-index: 7 | Total citations: 276**
- **Google Scholar profile:** <https://scholar.google.com/citations?user=2LlnnZUAAAAJ>

Professional Engagement

- Editorial board member for AI-focused journals
- Peer reviewer for 15+ prestigious journals
- Keynote speaker and workshop organizer at international AI and digital health conferences
- Scientific committee member for global AI and health informatics events

References

More available upon request.