

Curriculum Vitae

Amir Hossein Nabizadeh Rfasanjani

A faculty member at Kerman University of Medical Sciences

Academic Rank: Assistant Professor

Department: Faculty of Management and Medical Information Sciences

Email: amir.nabizadeh@tecnico.ulisboa.pt



EDUCATION HISTORY:

Degree	Field	Graduation year	Graduated from
PhD	Artificial Intelligence	2018	University of Porto
MSc	IT Engineering	2013	Universiti Teknologi Malaysia
BSc	IT	2010	Payame Noor
High school diploma	Mathematics and Physics		

LANGUAGE SKILLS:

Farsi: Mother tongue

English: Native

COURSE TEACHING:

Spring 2025	BSc in Environmental Health Engineering	Computer and its Application (1777073)
Spring 2024	BSc in Radiology	Familiarity with new Information Technology (1453004)
Spring 2024	BSc in Radiology	Familiarity with new Information Technology (1438012)
Fall 2023	BSc in Medical Librarianship and Information	Computer Skills (1663003)
Fall 2023 (1180200)	MSc in Human Genetics	Principles of Computer and Internet and its Applications

RESEARCH PROJECTS:

PAPERS:

English

1. **Amir Hossein Nabizadeh**, Mohammed Mehdi Ghaemi, Daniel Goncalves. (2024). Predicting the pharmaceutical needs of hospitals using machine learning algorithms, *International Journal of Data Science and Analytics*.
2. Farzaneh Behnam, Reza Khajouei, **Amir Hossein Nabizadeh**, Saeed Saedi, Mohammad Mahdi Ghaemi., (2023). Usability evaluation of emergency information systems in educational hospitals in Kerman, Iran, *BMC Medical Informatics and Decision Making*, 10.1186/s12911-023-02357-3.
3. Hamed Nabizadeh Rafsanjani, **Amir Hossein Nabizadeh.**, (2023) Towards human-centered artificial intelligence (AI) in architecture, engineering, and construction (AEC) industry, *Computers in Human Behavior Reports*, 10.1016/j.chbr.2023.100319
4. **Nabizadeh, A. H.**, Gonçalves D., Gama, S., Jorge J., (2022). Early Prediction of Students Final Grades in a Gamified Course, *IEEE Transactions on Learning Technologies*, 10.1109/TLT.2022.3170494.
5. Mohammad R. Salmanpour, Mahdi Hosseinzadeh, Mahya Bakhtiari, Kasra Mojallal, Soroush Mehraban, Mohammad M. Ghaemi, **Amir Hossein Nabizadeh**, Arman Rahmim. (2022). Cognitive Outcome Prediction in Parkinson's Disease Using Hybrid Machine Learning Systems and Radiomics Features. *SNMMI 2022*. Poster.
6. Mohammad R. Salmanpour, Mahdi Hosseinzadeh, Mahya Bakhtiari, Amir R.Gholami, Mohammad M. Ghaemi, Amir Hossein Nabizadeh, Arman Rahmim. (2022). Drug Amount Prediction in Parkinson's Disease Using Hybrid Machine Learning Systems and Radiomics Feature. *SNMMI 2022*. Poster.
7. Javanmardi, A., Hosseinzadeh, M., Hajianfar. G., **Nabizadeh, A. H.**, Salmanpour, M., (2022), Multi-modality fusion coupled with deep learning for improved outcome prediction in head and neck cancer, *SPIE Medical Imaging*. San Diego.
8. Salmanpour, M., Hosseinzadeh, M., Akbari, A., Borazjani. K., Mojallal, K., Askari, D., Hajianfar. G., Rezaei, M., Ghaemi, M. M., **Nabizadeh, A. H.**, Rahmim, A., (2022). Prediction of TNM stage in head and neck cancer using hybrid machine learning systems and radiomics features, *SPIE Medical Imaging*. San Diego.
9. Nogueira, A., **Nabizadeh, A. H.**, Gonçalves. D., (2021). DynaGame: a rule editor for gamified education. *International Conference on Graphics and Interaction (ICGI)*, 1-7.
10. Rafsanjani, H. N., & **Nabizadeh, A. H.** (2021). Towards digital architecture, engineering, and construction (AEC) industry through virtual design and construction (VDC) and digital twin. *Energy and Built Environment*.
11. **Nabizadeh, A. H.**, Jorge, J., Gama, S., Gonçalves, D. (2021). How do Students Behave in a Gamified Course?-A Ten-Year Study. *IEEE ACCESS*.
12. **Nabizadeh, A. H.**, Gonçalves, D., Gama, S., Jorge, J., & Rafsanjani, H. N. (2020). Adaptive learning path recommender approach using auxiliary learning objects. *Computers & Education*, 147, 103777.

13. **Nabizadeh, A. H.**, Leal, J. P., Rafsanjani, H. N., & Shah, R. R. (2020). Learning Path Personalization and Recommendation Methods: A Survey of the State-Of-The-Art. *Expert Systems with Applications*, 113596.
14. Rafsanjani, H. N., Ghahramani, A., & **Nabizadeh, A. H.** (2020). iSEA: IoT-based smartphone energy assistant for prompting energy-aware behaviors in commercial buildings. *Applied Energy*, 266, 114892.
15. **Nabizadeh, A. H.**, Jorge, A. M., & Leal, J. P. (2019). Estimating time and score uncertainty in generating successful learning paths under time constraints. *Expert Systems*, 36(2), e12351.
16. **Nabizadeh, A. H.**, Mário Jorge, A., & Paulo Leal, J. (2017, July). Rutico: Recommending successful learning paths under time constraints. In *Adjunct Publication of the 25th Conference on User Modeling, Adaptation and Personalization* (pp. 153-158).
17. **Nabizadeh, A. H.**, Jorge, A. M., Tang, S., & Yu, Y. (2016, July). Predicting user preference based on matrix factorization by exploiting music attributes. In *Proceedings of the Ninth International C* Conference on Computer Science & Software Engineering* (pp. 61-66).
18. **Nabizadeh, A. H.**, Jorge, Alípio Mário; José Paulo Leal. (2015, September) Long term goal oriented recommender systems. Poster presented in *European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML PKDD)*, Porto, Portugal.
19. **Nabizadeh, A. H.**, Jorge, A., & Leal, J. P. (2015). Long term goal oriented recommender systems. *International Conference on Web Information Systems and Technologies (WEBIST)*.
20. **Nabizadeh Rafsanjani, A. H.**, Salim, N., Mohammadhossein, N., & Bagheri Fard, K. (2013). New Recommendation System Model Based on Semantic Similarity in Movie Domain. *Journal of Basic and Applied Scientific Research*, 3(7), 258-273.
21. Mohammadhossein, N., Zakaria, N. H., **Rafsanjani, H. A.**, & Asadi, S. (2013). The relationship of knowledge management and market segmentation on CRM. *Journal of Basic Applied Scientific Research*, 3(4), 615-626.

Persian

1. **Amir Hossein Nabizadeh**, Mohammed Mehdi Ghaemi, (2024). Digital Twins in Healthcare: Necessities, Pros, Cons, and Future Directions. *Journal of Health and Biomedical Informatics*, 11(3), 203-13.
2. **Amir Hossein Nabizadeh**, (2024), Digital Twins in Healthcare, *Journal of Health and Biomedical Informatics*, 11(2), 162-165, 10.34172/jhbmi.2024.21.
3. **Amir Hossein Nabizadeh.**, (2022), Artificial Intelligence in Healthcare, *Journal of Health and Biomedical Informatics*, 10.34172/jhbmi.2022.08.

Review papers

1. Raleiras, M., **Nabizadeh, A. H.**, Costa, F. A., (2021). Automatic Learning Styles Prediction: A Survey of the State-of-the-Art (2006-2021). *Journal of Computers in Education*. 1-93.

2. Rafsanjani, A. H. N., Salim, N., Aghdam, A. R., & Fard, K. B. (2013). Recommendation Systems: a review. *International Journal of Computational Engineering Research*, 3(5), 47-52.

ABSTRACTS AND PRESENTATIONS:

1. Amir Hossein Nabizadeh, Sadrieh Hajesmaeel Gohari, Elaheh Shafiei, (2024), Cross University Course Link Prediction via AI and graph Theory, International congress on Artificial Intelligence in Health (AIH), Tehran, Iran.
2. Amir Hossein Nabizadeh, Daniel Goncalves, Sadrieh Hajesmaeel Gohari, Madalena Assembleia, (2024), GradeMe: Intelligent Peer-Grading in a Blended Learning Environment, International congress on Artificial Intelligence in Health (AIH), Tehran, Iran.
3. Samira Jafarikheirabadi, Hamid Sharini, Maziar Jalalvandi, Amir Hossein Nabizadeh*, (2024), AI Driven Hand Movement Prediction Using fNIRS Imaging, International congress on Artificial Intelligence in Health (AIH), Tehran, Iran.
4. Elaheh Shafiei, Sadrieh Hajesmaeel-Gohari, Simin Salehinejad, Saeideh Goharinejad, Mohammad Mehdi Ghaemi, Amir Hossein Nabizadeh., (2022). A Review of Highly Cited Articles in the use of Telemedicine during COVID-19 Pandemic, The international telemedicine conference, Isfan University of Medical Sciences. Poster.

BOOKS:

-

WORK EXPERIENCES:

Research Intern	2015 - 2016 (6 months)
National Institute of Informatics (NII), Tokyo, Japan.	
Research Assistant	2014 - 2019
Artificial Intelligence and Decision Support Lab (LIAAD), INESC TEC, Porto, Portugal.	
Senior Researcher	2021 - 2023
<i>Medical Informatics Research Center, Institute for Futures Studies in Health</i>	
<i>Kerman University of Medical Sciences, Iran</i>	
Post-Doctoral Researcher	2019 -2021
<i>University of Lisbon (IST) / INESC-ID, Portugal</i>	

COURSES AND WORKSHOPS:

SKILLS:

- Programming languages: R, C.
- General Software: Latex, Microsoft Office 2003/2007/2010/2013/2015 (Word, Excel, PowerPoint, Access).

Curriculum Vitae