# Dr. Saima Nisar

+60192894997 • https://www.linkedin.com/in/saima-nisar-5a1083164/
• saimaanisar@gmail.com

## SUMMARY

Objective and insightful in understanding and applying organizational needs. Experience in identifying patterns, interpreting data and generating useful reports. Effectively prepares and operates databases and other system structures. Dedicated to continuing professional growth through training.

## PROFESSIONAL EXPERIENCE

**Freelance Data Scientist**                                                                        **Mar '21 - Present**

**Machine Learning Project** |

*Parkinson's disease is diagnosed using a hybrid machine learning approach that combines principal component analysis and support vector machines.*

**Mentor**                                                                                          **Aug '22 - Aug '22**

**Malaysian Public Policy Competition** | Malaysia

*Mentored and trained a team of 3 participants in drafting and presenting their public policy memos.*

**Member**                                                                                          **Aug '22 - Present**

**Girls in Tech Kuala Lumpur** | Malaysia

*Attended "Code; Without Barriers" event organized by Girls in Tech Kuala Lumpur and Microsoft Malaysia*

**Reviewer**                                                                                        **Mar '21 - Present**

**Publons** |

**Graduate Research Assistant**                                                                     **Mar '11 - Jul '13**

**Universiti Teknologi Petronas** | Malaysia

*As instructed by the lecturer, I organized a variety of in-class presentations and new course materials and also marked assignments according to specific marking schemes from the course coordinator. I was responsible for entering and updating student data in an excel file and handled administrative tasks such as preparing a PowerPoint presentation, data entry, and analysis.*

## EDUCATION

**Ph.D. Information Technology**                                                                    **Jan '15 - Feb '22**

**Universiti Utara Malaysia,** | Malaysia

*In my doctoral dissertation, I investigated technological and cyber security factors that affect doctors' BYOD usage. I developed a hybrid model and studied doctors' intentions using the statistical software IBM SPSS and SmartPLS. Then, based on the predictive analysis and expert review results, I provided recommendations to software designers and policy-makers to make it easier for doctors to work more productively with BYOD in healthcare.*

**MSc Information Technology**                                                                      **Mar '11 - Oct '14**

**Universiti Technologi Petronas** | Malaysia

*In my master's dissertation, I examine the application of an enhanced electronic clinic system architecture for healthcare systems.*

**Bachelor (Honors) in Business Administration**                                                   **Dec '10**

**Jinnah University for Women,** | Pakistan

*BSc*

## Academic Projects

- **The Hybrid Model for Intention to Adopt BYOD from the Perspective of Pakistani Doctors**

- **An Enhanced Electronic Clinic System Architecture for Healthcare System**

## Professional Certificates

- Specialized AI in Healthcare, Stanford University

- Certified Data Science Professional, IBM

- Elements of AI: Introduction to AI provided, University of Helsinki

- Cybersecurity in Healthcare, Erasmus University Rotterdam

- Quantitative Methods, University of Amsterdam

## KEY SKILLS

Research, Data Science, Data Analysis, Python Programming, Numpy, Pandas, Jupyter Notebook, Predictive Modelling, Data Visualization, AI in Healthcare, Cybersecurity in Hospital, Information Security, Quantitative Methods, Linear/Logistic Regression, Skill, **SmartPLS,** IBM SPSS, Mendeley,

## Professional Memberships

- Girls in Tech, Kuala Lumpur

- HIMSS

- Internet Society

## Publications

1. S. Nisar*, W.R.S. Osman, A. Wahab, M. S. Aslam "On the perspective of Doctors intention - A hybrid BYOD model", Heliyon. Submitted
2. S. Nisar*, W.R.S. Osman, "BYOD Adoption Model Validation by Experts Review", International Journal of Computer Science and Management Studies, volume 37, issue 01, pp 1-6, July 2017
3. S. Nisar*, W. R. B. S. Osman, "ICT Transformation and Intention to Adopt BYOD Affecting the Perspective of Healthcare Professionals in Pakistan" International Journal of Computer Science & Communication Networks, volume 7, issue 3, pp 58-65, 2017
4. T. Akhtar, M. Maqsood, M. A. Bashir, U. H. Gul, A. Rashid, M. S. Aslam*, S. Nisar, "To Study and Compare Perception of Health Care Professionals Regarding the Role of Pharmacist in Health Care System in Pakistan", Multidisciplinary Journal for Education, Social and Technological Sciences, vol 4, issue 2, pp 1-25, 2017
5. W. R. B. S. Osman, A. A. M. Almusawi, M. S. Aslam*, S. Nisar, Factors that influence the adoption of EHR by health Professions: The Case of Dhi-Qar Hospital, Australian Journal of Basic and Applied Sciences, Vol 11, No 5, Pages: 169- 175, April 2017
6. W. R. S. Osman, T. M. Elebe, M. S. Aslam*, and S. Nisar, "Data modeling for web-based mobile tracking system of internally displaced person during conflict", International Journal of Information Dissemination and Technology, 7(3), 222- 226, 2017
7. S. Nisar*, A. Said, "Conceptual Model for Electronic Clinical Record Information System," International Journal of the Computer, the Internet and Management, Vol. 19, No.3, pp 47 – 53, December 2011
8. W. R. S. Osman, Karim. Anisah, Aslam. Muhammad Shahzad*, Ahmad. Mohammad Ayaz, S. Nisar, "A success model and implementation on examining teacher's attitude in using frog virtual learning environment," Proceedings DIALOGO (DIALOGO- CONF 2017), DOI:10.18638/dialogo.2017.4.1.11, ISBN: 9978-80-554-1408-9, ISSN: 2393- 1744, vol. 4, issue 1, pp. 116 - 129, 2017 (Web of Science indexed)
9. W. R. S. Osman, Mohamed, Hasanaein, Aslam, Muhammad Shahzad*, Ahmad, Mohammad Ayaz, S. Nisar, "Comparative study to explore factors affecting E-government ranking: the case of Malaysia, Nigeria and Republic of Korea," Proceedings DIALOGO (DIALOGO-CONF 2017), DOI: 10.18638/dialogo.2017.4.1.12, ISBN: 9978-80-554-1408-9, ISSN: 2393-1744,vol. 4, issue 1, pp. 130 - 138, 2017 (Web of Science indexed)
10. S. Nisar*, A. Said, "Enhanced Quality of Electronic Clinical Record through Open-Source Tool," Knowledge Management International Conference (KMICE) 2012, Johar Bahru, Malaysia. 4-6 July 2012 (ISI Thomson Indexing).

## References

Dr Kashif Nisar
Senior Lecturer
Victorian Institute of Technology Adelaide, South Australia, 5000
E-Mail: net4kashif@gmail.com
Mobile: +61452262150

Dr. Alawiyah Abd Wahab
Senior Lecturer
School of Computing, College of Arts and Science, University Utara Malaysia, 06010 Sintok
Kedah Darual Aman, Malaysia
E-Mail: alawiyah@uum.edu.my
Mobile: +60148105815

Dr. Muhammad Shahzad Aslam
Assistant Professor
School of Traditional Chinese Medicine. Xiamen University Malaysia
Jalan Sunsuria, Bandar Sunsuria, 43900 Sepang, Selangor
E-Mail: aslammuhammadshahzad@gmail.com
Mobile: +60193009674