

Academic Resume



Saim Rasheed

Associate Professor, Information Technology Department

I am committed and dedicated to achieve high excellence in academia teaching, research and/or industry to be a part of dynamic and competent developed market with a focus on Multimedia (Image and Video Processing), Computer Graphics, Human-Computer Interaction, Computer Vision, Electroencephalograph (EEG) and Brain-Computer Interfaces.

Contact Information.

Building 31, Room 125, Ext. 60173, Add. Department of IT, FCIT, srahmed@kau.edu.sa.

Highest Degree.

2011, Ph.D. in Computer Science, Brain-Computer Interaction, University of Milan, Italy.

Academic and Professional Experiences.

1. **2022 - Present**
Associate Professor, Department of IT, FCIT, King Abdulaziz University.
2. **2012 - 2022**
Assistant Professor, Saudi Arabia, King Abdul Aziz University,jeddah.
3. **2007 - 2008**
Lecturer, Saudi Arabia, King Abdul Aziz University,jeddah.
4. **2004 - 2007**
Lecturer, Pakistan, COMSATS Institute of Information Technology (CIIT) Lahore,.
5. **2002 - 2004**
Research Associate, Pakistan, COMSATS Institute of Information Technology (CIIT) Lahore,.
6. **2000 - 2002**
Lecturer, Pakistan, The City College, Lahore.

Research Interests.

Interaction Design, Data Science, Machine Learning, Human-Computer Interaction, Intrusion Detection System, Multimedia Image and Video Processing, EEG Signal Processing, Computer Graphics, Brain-Computer Interaction.

Teaching Interests.

Interaction Design, Computer Graphics, Human-Computer Interaction, Multimedia Technologies, Computer Vision, Brain-Computer Interaction.

Certifications and Trainings.

1. Granular Computing and Neural Nets.
2. Boosting Services and Information in Adaptive Networked Enterprises.
3. acquisition, analysis and processing of EEG data using bio-signal amplifiers in context with BCI2000 to interact with Brain-Computer Interface applications.
4. BCI & Neurotechnology.

Social, Scientific and Professional Affiliation.

1. 2016-2018, Top10%, Interaction Design.

Publications.

1. Naeem A. Nawaz, Kashif Ishaq, Uzma Farooq, Amna Khalil, Saim Rasheed, Adnan Abid, Fadhilah Rosdi, "A Comprehensive Review Of Security Threats And Solutions For The Online Social Networks Industry", Peerj Computer Science, vol: 9, pp. e1143, 2023.
DOI: [10.7717/peerj-cs.1143](https://doi.org/10.7717/peerj-cs.1143)
2. Faizan Rashid, Saim Rasheed, Ahsan Farooq, Majid Ali, Youel Roben, Muhammad Jehanzeb, Abdul Wahab, "Design And Implementation Of Prepaid Power Billing System In Smart Grid Environment", International Journal Of Electrical And Computer Engineering (Ijece), vol: 12, pp. 3365, 2022.
DOI: [10.11591/ijece.v12i4.pp3365-3374](https://doi.org/10.11591/ijece.v12i4.pp3365-3374)
3. Ali Sohail, Naeem A. Nawaz, Asghar Ali Shah, Saim Rasheed, Sheeba Ilyas, Muhammad Khurram Ehsan, "A Systematic Literature Review On Machine Learning And Deep Learning Methods For Semantic Segmentation", Ieee Access, vol: 10, pp. 134557-134570, 2022.
DOI: [10.1109/ACCESS.2022.3230983](https://doi.org/10.1109/ACCESS.2022.3230983)
4. Adil Aslam Mir, Lal Hussain, Muhammad Hammad Waseem, Amjad Aldweesh, Saim Rasheed, El Sayed Yousef, Malik Sajjad Ahmed Nadeem, Elsayed Tag Eldin, "Analysis Of Proposed And Traditional Boosting Algorithm With Standalone Classification Methods For Classifying Gene Expression Microarray Data Using A Reject Option", Applied Artificial Intelligence, vol: 36, 2022.
DOI: [10.1080/08839514.2022.2151171](https://doi.org/10.1080/08839514.2022.2151171)
5. Faisal Altaf Rathore, Hafiz Saad Khan, Hafiz Mudassar Ali, Marwa Obayya, Saim Rasheed, Lal Hussain, Zaki Hassan Kazmi, Mohamed K. Nour, Abdullah Mohamed, Abdelwahed Motwakel, "Survival Prediction Of Glioma Patients From Integrated Radiology And Pathology Images Using Machine Learning Ensemble Regression Methods", Applied Sciences, vol: 12, pp. 10357, 2022.
DOI: [10.3390/app122010357](https://doi.org/10.3390/app122010357)
6. Muhammad Abbas Khan, Ijaz Ahmad, Anis Nurashikin Nordin, A. El-Sayed Ahmed, Hiren Mewada, Yousef Ibrahim Daradkeh, Saim Rasheed, Elsayed Tag Eldin, Muhammad Shafiq, "Smart Android Based Home Automation System Using Internet Of Things (Iot)", Sustainability, vol: 14, pp. 10717, 2022.
DOI: [10.3390/su141710717](https://doi.org/10.3390/su141710717)
7. Khalid K. A. Abdullah, Saim Rasheed, "Optimal Profitable Applications For Web Development Companies Using A Linear Programming Approach", International Journal Of Advanced And Applied Sciences, vol: 9, pp. 65-71, 2022.
DOI: [10.21833/ijaas.2022.08.008](https://doi.org/10.21833/ijaas.2022.08.008)
8. Shahab Ahmad, Tahir Ullah, Ijaz Ahmad, Abdulkarem AL-Sharabi, Kalim Ullah, Rehan Ali Khan, Saim Rasheed, Inam Ullah, Md. Nasir Uddin, Md. Sadek Ali, Shibli Nisar, "A Novel Hybrid Deep Learning Model For Metastatic Cancer Detection", Computational Intelligence And Neuroscience, vol: 2022, pp. 1-14, 2022.
DOI: [10.1155/2022/8141530](https://doi.org/10.1155/2022/8141530)
9. Nawaz et al., "Impact Of Telecommunication Network On Future Of Telemedicine In Healthcare: A Systematic Literature Review", International Journal Of Advanced And Applied Sciences, vol: 9, pp. 122-138, 2022.
DOI: [10.21833/ijaas.2022.07.013](https://doi.org/10.21833/ijaas.2022.07.013)
10. Muhammad Shoaib Farooq, Zareen Kalim, Junaid Nasir Qureshi, Saim Rasheed, Adnan Abid, "A Blockchain-Based Framework For Distributed Agile Software Development", Ieee Access, vol: 10, pp. 17977-17995, 2022.
DOI: [10.1109/ACCESS.2022.3146953](https://doi.org/10.1109/ACCESS.2022.3146953)
11. Muhammad Shoaib Farooq, Osama Omar Sohail, Adnan Abid, Saim Rasheed, "A Survey On The Role Of Iot In Agriculture For The Implementation Of Smart Livestock Environment", Ieee Access, vol: 10, pp. 9483-9505, 2022.
DOI: [10.1109/ACCESS.2022.3142848](https://doi.org/10.1109/ACCESS.2022.3142848)

Publications.

12. Fazal Qudus Khan, Seyed M. Buhari, Georgios Tsaramirsis, Saim Rasheed, "A Study Of Faculty Retention Factors In Educational Institutes In Context With Abet", *Frontiers In Education*, vol: 6, 2021.
DOI: [10.3389/feduc.2021.678018](https://doi.org/10.3389/feduc.2021.678018)
13. Mohsin Ali Khan, M. Izhar Shah, Muhammad Faisal Javed, M. Ijaz Khan, Saim Rasheed, M.A. El-Shorbagy, Essam Roshdy El-Zahar, M.Y. Malik, "Application Of Random Forest For Modelling Of Surface Water Salinity", *Ain Shams Engineering Journal*, 2021.
DOI: [10.1016/j.asej.2021.11.004](https://doi.org/10.1016/j.asej.2021.11.004)
14. Aatif Ali, Saeed Islam, M. Riaz Khan, Saim Rasheed, F.M. Allehiany, Jamel Baili, Muhammad Altaf Khan, Hijaz Ahmad, "Dynamics Of A Fractional Order Zika Virus Model With Mutant", *Alexandria Engineering Journal*, 2021.
DOI: [10.1016/j.aej.2021.10.031](https://doi.org/10.1016/j.aej.2021.10.031)
15. Nawal A. Alshehri, Awatef Abidi, Muhammad Riaz Khan, Yanala Dharmendar Reddy, Saim Rasheed, Elham Alali, Ahmed M. Galal, "Unsteady Convective Mhd Flow And Heat Transfer Of A Viscous Nanofluid Across A Porous Stretching/Shrinking Surface: Existence Of Multiple Solutions", *Crystals*, vol: 11, pp. 1359, 2021.
DOI: [10.3390/cryst11111359](https://doi.org/10.3390/cryst11111359)
16. Majid Ali, Faizan Rashid, Saim Rasheed, "Power Factor Improvement For A Three-Phase System Using Reactive Power Compensation", *Indonesian Journal Of Electrical Engineering And Computer Science*, vol: 24, pp. 715, 2021.
DOI: [10.11591/ijeecs.v24.i2.pp715-727](https://doi.org/10.11591/ijeecs.v24.i2.pp715-727)
17. Faizan Rashid, Adeel Gilany, Saim Rasheed, Hamza Nisar, Ali Raza, Muhammad Hasnat, "Load Management System With Integration Of Renewable Energy Resources", *The International Journal Of Integrated Engineering*, vol: 13, 2021.
DOI: [10.30880/ijie.2021.13.06.030](https://doi.org/10.30880/ijie.2021.13.06.030)
18. Muhammad Shoaib Farooq, Syed Sarmad Abbas, Adnan Abid, Saim Rasheed, "A Hybrid Algorithm For Face Detection To Avoid Racial Inequity Due To Dark Skin", *Ieee Access*, pp. 1-1, 2021.
DOI: [10.1109/ACCESS.2021.3122870](https://doi.org/10.1109/ACCESS.2021.3122870)
19. Saim Rasheed, "A Review Of The Role Of Machine Learning Techniques Towards Brain&Ndash;Computer Interface Applications", *Machine Learning And Knowledge Extraction*, vol: 3, pp. 835-862, 2021.
DOI: [10.3390/make3040042](https://doi.org/10.3390/make3040042)
20. Abdulrahman O. Mustafa, Mohamad Alamin Housam Sayegh, Saim Rasheed, "Application Of Linear Programming For Optimal Investments In Software Company", *Open Journal Of Applied Sciences*, vol: 11, pp. 1092-1101, 2021.
DOI: [10.4236/ojapps.2021.1110081](https://doi.org/10.4236/ojapps.2021.1110081)
21. Ibrahim Ba’abbad, Thamer Althubiti, Abdulmohsen Alharbi, Khalid Alfarsi, Saim Rasheed, "A Short Review Of Classification Algorithms Accuracy For Data Prediction In Data Mining Applications", *Journal Of Data Analysis And Information Processing*, vol: 09, pp. 162-174, 2021.
DOI: [10.4236/jdaip.2021.93011](https://doi.org/10.4236/jdaip.2021.93011)
22. Jie Liu, Awatef Abidi, M. Riaz Khan, Saim Rasheed, F.M. Allehiany, Emad E. Mahmoud, Ahmed M. Galal, "Thermal Analysis Of A Radiative Slip Flow Of An Unsteady Casson Nanofluid Toward A Stretching Surface Subject To The Convective Condition", *Journal Of Materials Research And Technology*, 2021.
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37. Saim Rasheed, "Eeg Analysis Of Rgb Color Stimuli – Issues And Comment About The Experiment", , 2010.
38. Saim Rasheed, "Interacting With Virtual Environments Using Brainwaves", , 2009.
39. Saim Rasheed, "Brain-Computer Interfaces", , 2008.
40. Saim Rasheed, "Computer Aided Grading Of Physical Models Of Shoes", Presented At Department Of Computer Science And Communication, University Of Milan, Italy, 2007.