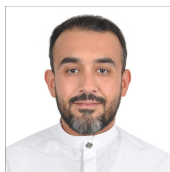


## Academic Resume



### Adeeb Noor

#### Associate Professor, Information Technology Department

I'm an experienced research and development scientist specializing in data analysis, algorithm development, and software engineering. I help companies innovate by crafting data-driven strategies, optimizing revenue models, and streamlining business processes through project management. My expertise in emerging technologies ensures your company stays ahead of the curve.

#### Contact Information.

Room 127, Ext. 16677, arnoor@kau.edu.sa.

#### Highest Degree.

2015, Computer Science, Bioinformatics, University of Colorado at Boulder, USA.

#### Academic and Professional Experiences.

1. **2024 - Present**  
GenAI Advisory, Riyadh, Ministry of Education., , .
2. **2023 - Present**  
People analytics expert, Riyadh, Ministry of Education, , .
3. **2023 - Present**  
Transformation Leader, Riyadh, Ministry of Education.
4. **2022 - Present**  
Business Developer Partner, Riyadh, Ministry of Education.
5. **2022 - 2022**  
Enterprise Information Technology Architect, Riyadh, Ministry of Education.
6. **2021 - 2022**  
Senior Data Science Project Manager, Riyadh, Ministry of Education.
7. **2021 - 2021**  
Associate Professor, King Abdulaziz University, Faculty of Computing and Information Technology.
8. **2021 - 2021**  
Research and Development Manager, Madinah, Islamic University of Madinah.
9. **2019 - 2021**  
Data Science Expert, Riyadh, Ministry of Education.
10. **2019 - 2020**  
Consultant of Vice President for Development, Vice President for Development, King Abdulaziz University.
11. **2016 - 2018**  
Entrepreneur, Innovation Center, King Abdullah University of Science and Technology.
12. **2016 - 2018**  
Director of Information Technology, Hospital, King Abdulaziz University Hospital.

Last Profile Update: March 22, 2024

## Academic and Professional Experiences.

### 13. 2006 - 2008

Head of applications unit, Deanship of e-Learning and Distance Education, King Abdulaziz University.

## Research Interests.

People analytics, Data-driven, Knowledge representation and data integration, Precision medicine.

## Teaching Interests.

IT leadership, Innovation and entrepreneurship, Machine Learning, Bioinformatics.

## Certifications and Trainings.

1. Cisco Certified Network Associate (CCNA).
2. Certified Scrum Master (Software project manager & Agile software developer).
3. Qmentum international for leaders (Accreditation Canada International Educational Program).
4. Leading Improvement with Patient Safety (Canadian patient safety institute).
5. Leading the Innovation by Microsoft Lab.

## Social, Scientific and Professional Affiliation.

1. 2016-Present, Researcher, Computational Bioscience Research Center (CBRC), King Abdullah University of Science and Technology (KAUST).
2. -, Visiting professor, Computer, Electrical and Mathematical Sciences and Engineering (CEMSE), King Abdullah University of Science and Technology (KAUST).

## Excellence Awards and Patents.

1. 2019, Interior, Recognized by the City of Jeddah in the Field of Governmental Excellence, City of Jeddah.
2. 2020, International, Hope Hackathon Winner, Ministry of Health.
3. 2018, Interior, TAQADAM Award to Study Uncommon Diseases and their Associated Genomes, KAUST.
4. 2017, Interior, Saudi's Digital Transformation Initiative to solve Emergency Department overcrowding in Saudi Arabia, Ministry of Communication.
5. 2018, Interior, Best Director Nomination, King Abdulaziz University Hospital.

## Funded Projects.

1. 2021, Crowd Management in Haj, Deputyship for Research and Innovation, Ministry of Education, Proposing a crowd management system at multiple dimensions.
2. 2019, Drug-Drug Interaction Studies Research Group, KAU and KAUST
3. 2020, Unmanned aerial vehicle using offload technology, KAU
4. 2019, Biostatics and mathematics algorithms, KAU and Cairo University
5. 2020, Heart failure predictions, KAU
6. 2021, Drug interactions understanding, Deputyship for Research and Innovation, Ministry of Education

## Publications.

1. Sajid Khan, Muhammad Asif Khan, Adeeb Noor, Kainat Fareed, "Sasan: Ground Truth For The Effective Segmentation And Classification Of Skin Cancer Using Biopsy Images", *Diagnosis*, vol: 0, 2024.  
DOI: [10.1515/dx-2024-0012](https://doi.org/10.1515/dx-2024-0012)
2. Yakubu Imrana, Yanping Xiang, Liaqat Ali, Adeeb Noor, Kwabena Sarpong, Muhammed Amin Abdullah, "Cnn-Gru-Ff: A Double-Layer Feature Fusion-Based Network Intrusion Detection System Using Convolutional Neural Network And Gated Recurrent Units", *Complex & Intelligent Systems*, 2024.  
DOI: [10.1007/s40747-023-01313-y](https://doi.org/10.1007/s40747-023-01313-y)
3. Liaqat Ali, Ashir Javeed, Adeeb Noor, Hafiz Tayyab Rauf, Seifedine Kadry, Amir H. Gandomi, "Parkinson'S Disease Detection Based On Features Refinement Through L1 Regularized Svm And Deep Neural Network", *Scientific Reports*, vol: 14, 2024.  
DOI: [10.1038/s41598-024-51600-y](https://doi.org/10.1038/s41598-024-51600-y)
4. Ashir Javeed, Peter Anderberg, Ahmad Nauman Ghazi, Adeeb Noor, S?lve Elmst?hl, Johan Sanmartin Berglund, "Breaking Barriers: A Statistical And Machine Learning-Based Hybrid System For Predicting Dementia", *Frontiers In Bioengineering And Biotechnology*, vol: 11, 2024.  
DOI: [10.3389/fbioe.2023.1336255](https://doi.org/10.3389/fbioe.2023.1336255)
5. Waqar Ahmed, Sajid Khan, Adeeb Noor, Ghulam Mujtaba, "Deep Learning-Based Noise Type Classification And Removal For Drone Image Restoration", *Arabian Journal For Science And Engineering*, 2023.  
DOI: [10.1007/s13369-023-08376-6](https://doi.org/10.1007/s13369-023-08376-6)
6. Noor Saeed Khan, Basmah H. Alshammari, Adeeb Noor, Siwar Ben Hadj Hassine, "Performance Of Variable Characteristics On Mhd Jeffery Nanofluid Over Spinning Disk With Cattaneo?Christov Heat Flux And Microswimmers", *Zamm - Journal Of Applied Mathematics And Mechanics / Zeitschrift Für Angewandte Mathematik Und Mechanik*, 2023.  
DOI: [10.1002/zamm.202200247](https://doi.org/10.1002/zamm.202200247)
7. Adeeb Noor, Mohammed Bazuhair, Mohamed El-Beltagy, "Analytical And Computational Analysis Of Fractional Stochastic Models Using Iterated Itô Integrals", *Fractal And Fractional*, vol: 7, pp. 575, 2023.  
DOI: [10.3390/fractalfract7080575](https://doi.org/10.3390/fractalfract7080575)
8. Souhail Mohammed Bouzgarrou, Sami Znaidia, Adeeb Noor, Shabir Ahmad, Sayed M. Eldin, "Coupled Fixed Point And Hybrid Generalized Integral Transform Approach To Analyze Fractal Fractional Nonlinear Coupled Burgers Equation", *Fractal And Fractional*, vol: 7, pp. 551, 2023.  
DOI: [10.3390/fractalfract7070551](https://doi.org/10.3390/fractalfract7070551)
9. Nizar Abdallah Alsufi, Nahid Fatima, Adeeb Noor, M.R. Gorji, Mohammad Mahtab Alam, "Lumps And Interactions, Fission And Fusion Phenomena In Multi Solitons Of Extended Shallow Water Wave Equation Of (2+1)-Dimensions", *Chaos, Solitons & Fractals*, vol: 170, pp. 113410, 2023.  
DOI: [10.1016/j.chaos.2023.113410](https://doi.org/10.1016/j.chaos.2023.113410)
10. Fengge Yao, Zenan Qin, Xiaomei Wang, Mengyao Chen, Adeeb Noor, Shubham Sharma, Jagpreet Singh, Dra?an Kozak, Anica Hunjet, "The Evolution Of Renewable Energy Environments Utilizing Artificial Intelligence To Enhance Energy Efficiency And Finance", *Heliyon*, vol: 9, pp. e16160, 2023.  
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11. Mohamed El-Beltagy, Ragab Mahdi, Adeeb Noor, "A Study Of The Stochastic Burgers' Equation Using The Dynamical Orthogonal Method", *Axioms*, vol: 12, pp. 152, 2023.  
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12. Adeeb Noor, "Adoption Of Blockchain Technology Facilitates A Competitive Edge For Logistic Service Providers", *Sustainability*, vol: 14, pp. 15543, 2022.  
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## Publications.

13. Adeeb Noor, Liaqat Ali, Hafiz Tayyab Rauf, Usama Tariq, Saima Aslam, "An Integrated Decision Support System For Heart Failure Prediction Based On Feature Transformation Using Grid Of Stacked Autoencoders", *Measurement*, pp. 112166, 2022.  
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14. Ahmed Barnawi, Ishan Budhiraja, Krishan Kumar, Neeraj Kumar, Bander Alzahrani, Amal Almansour, Adeeb Noor, "A Comprehensive Review On Landmine Detection Using Deep Learning Techniques In 5g Environment: Open Issues And Challenges", *Neural Computing And Applications*, 2022.  
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15. Adeeb Noor, Abdullah Assiri, "A Rule-Based Inference Framework To Explore And Explain The Biological Related Mechanisms Of Potential Drug-Drug Interactions", *Computational And Mathematical Methods In Medicine*, vol: 2022, pp. 1-9, 2022.  
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16. Adeeb Noor, "Integrating Mechanistic Information To Predict Drug-Drug Interactions And Associated Relevance For Decision Support", 2022 *Ieee International Iot, Electronics And Mechatronics Conference (Iemtronics)*, pp. 1-4, 2022.  
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17. Abdullah Assiri, Adeeb Noor, "Anti-Ddi Resource: A Dataset For Potential Negative Reported Interaction Combinations To Improve Medical Research And Decision-Making", *Journal Of Healthcare Engineering*, vol: 2022, pp. 1-6, 2022.  
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18. Mahmoud Ragab, Samah Alshehri, Gamil Abdel Azim, Hibah M. Aldawsari, Adeeb Noor, Jaber Alyami, S. Abdel-khalek, "Covid-19 Identification System Using Transfer Learning Technique With Mobile-Netv2 And Chest X-Ray Images", *Frontiers In Public Health*, vol: 10, 2022.  
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19. Adeeb Noor, "A Data-Driven Medical Decision Framework For Associating Adverse Drug Events With Drug-Drug Interaction Mechanisms", *Journal Of Healthcare Engineering*, vol: 2022, pp. 1-7, 2022.  
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20. Adeeb Noor, "Improving Bioinformatics Software Quality Through Incorporation Of Software Engineering Practices", *Peerj Computer Science*, vol: 8, pp. e839, 2022.  
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21. Abdullah Assiri, Mir J. Iqbal, Atheer Mohammed, Abdulrhman Alsaleh, Ahmed Assiri, Adeeb Noor, Redhwan Nour, Moteb Khobrani, "Covid-19 Related Treatment And Outcomes Among Covid-19 Icu Patients: A Retrospective Cohort Study", *Journal Of Infection And Public Health*, vol: 14, pp. 1274-1278, 2021.  
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22. Adeeb Noor, Abdullah Assiri, "A Novel Computational Drug Repurposing Approach For Systemic Lupus Erythematosus (Sle) Treatment Using Semantic Web Technologies", *Saudi Journal Of Biological Sciences*, vol: 28, pp. 3886-3892, 2021.  
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23. Rui Wang, Yong Cao, Adeeb Noor, Thamer A Alamoudi, Redhwan Nour, "Agent-Enabled Task Offloading In Uav-Aided Mobile Edge Computing", *Computer Communications*, vol: 149, pp. 324-331, 2020.  
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24. Adeeb Noor, Muhammed K&uarr;ad U&ccedil;ar, Kemal Polat, Abdullah Assiri, Redhwan Nour, "A Novel Approach To Ensemble Classifiers: Fsboost-Based Subspace Method", *Mathematical Problems In Engineering*, vol: 2020, pp. 1-11, 2020.  
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26. Abdullah Assiri, Adeeb Noor, "A Computational Approach To Predict Multi-Pathway Drug-Drug Interactions: A Case Study Of Irinotecan, A Colon Cancer Medication", *Saudi Pharmaceutical Journal*, vol: 28, pp. 1507-1513, 2020.  
DOI: [10.1016/j.jsps.2020.09.017](https://doi.org/10.1016/j.jsps.2020.09.017)
27. Liaqat Ali, Shafqat Ullah Khan, Noorbakhsh Amiri Golilarz, Imrana Yakubu, Iqbal Qasim, Adeeb Noor, Redhwan Nour, "N A Feature-Driven Decision Support System For Heart Failure Prediction Based Onn N Statistical Model And Gaussian Naive Bayesn", *Computational And Mathematical Methods In Medicine*, vol: 2019, pp. 1-8, 2019.  
DOI: [10.1155/2019/6314328](https://doi.org/10.1155/2019/6314328)
28. Sara Althubaiti, Andreas Karwath, Ashraf Dallol, Adeeb Noor, Shadi Salem Alkhayyat, Rolina Alwassia, Katsuhiko Mineta, Takashi Gojobori, Andrew D. Beggs, Paul N. Schofield, Georgios V. Gkoutos, Robert Hoehndorf, "Ontology-Based Prediction Of Cancer Driver Genes", *Scientific Reports*, vol: 9, 2019.  
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29. Ashir Javeed, Shijie Zhou, Liao Yongjian, Iqbal Qasim, Adeeb Noor, Redhwan Nour, "An Intelligent Learning System Based On Random Search Algorithm And Optimized Random Forest Model For Improved Heart Disease Detection", *Ieee Access*, vol: 7, pp. 180235-180243, 2019.  
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30. Adeeb Noor, "Discovering Gaps In Saudi Education For Digital Health Transformation", *International Journal Of Advanced Computer Science And Applications*, vol: 10, 2019.  
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31. , "Seeking Standards Of Health Informatics Education In Saudi Arabia", *International Journal Of Innovative Technology And Exploring Engineering*, vol: 9, pp. 5234-5236, 2019.  
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33. Adeeb Noor, "The Utilization Of E-Health In The Kingdom Of Saudi Arabia", *International Research Journal Of Engineering And Technology*, 2019.
34. Liaqat Ali, Awais Niamat, Javed Ali Khan, Noorbakhsh Amiri Golilarz, Xiong Xingzhong, Adeeb Noor, Redhwan Nour, Syed Ahmad Chan Bukhari, "An Optimized Stacked Support Vector Machines Based Expert System For The Effective Prediction Of Heart Failure", *Ieee Access*, vol: 7, pp. 54007-54014, 2019.  
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35. Mohamed El-Beltagy, Adeeb Noor, "Analysis Of The Stochastic Point Reactor Using Wiener-Hermite Expansion", *Annals Of Nuclear Energy*, vol: 134, pp. 250-257, 2019.  
DOI: [10.1016/j.anucene.2019.06.022](https://doi.org/10.1016/j.anucene.2019.06.022)
36. Adeeb Noor, Abdullah Assiri, Serkan Ayvaz, Connor Clark, Michel Dumontier, "Drug-Drug Interaction Discovery And Demystification Using Semantic Web Technologies", *Journal Of The American Medical Informatics Association*, pp. ocw128, 2016.  
DOI: [10.1093/jamia/ocw128](https://doi.org/10.1093/jamia/ocw128)
37. Adeeb Redha Noor, "The D3 Pharmacovigilance System: Characterization Of Drug-Drug Interactions By Statistical Inference Based On Big Data Mining And Semantic Web Technologies", 2015.