

## Academic Resume



### Faris Kateb

#### Associate Professor, Information Technology Department

I received a Ph.D. in Computer Science from the University of Colorado at Colorado Springs, USA. I am an assistant professor and chairman of the IT Department, Faculty of Computing and Information Technology, King Abdulaziz University, Jeddah, KSA. My research interests include Computer Vision and Image Processing applications such as Object Detection, Face Recognition, and Adversarial Examples. I also am working on the Natural Language Process for Arabic and English.

#### Contact Information.

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#### Highest Degree.

2018, Ph.D, Artificial Intelligence, Computer Science, University of Colorado, USA.

#### Academic and Professional Experiences.

1. **2021 - Present**  
The chairman of the Information Technology Department, Faculty of Computing and Information Technology, King Abdulaziz University.
2. **2019 - Present**  
Assistant Professor, Saudi Arabia, King Abdulaziz University - College Of Computing And IT.
3. **2019 - 2019**  
Internship, USA, lockheed Martin Corporation.
4. **2006 - 2008**  
Lecturer, Saudi Arabia, King Abdulaziz University - College Of Computing And IT.

#### Research Interests.

Artificial Intelligence, Object Recognition, Text Classification, Computer Vision, Adversarial Examples, Human Computer Interaction, Neural Networks.

#### Teaching Interests.

Human Computer Interaction, Artificial intelligence, Software Engineering, Natural Language Processing, Machine Learning.

## Certifications and Trainings.

1. Convolutional Neural Networks in TensorFlow.
2. Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning.
3. Academic Leadership Diploma.
4. Academic Teaching Diploma.
5. Curriculum Development.

## Social, Scientific and Professional Affiliation.

1. 2018-2018, Judge at the school district 11, Science Fair.
2. 2015-2017, Saudi Student Club, University of Colorado at Colorado Springs.
3. 2018-2018, Attended GITEX 2018 in Dubai, UAE.
4. 2018-2018, Represent University of Colorado at Colorado Springs in the 35th Space Symposium, USA.
5. 2019-2019, Represent King Abdulaziz University in Smart Grid Conference, Jeddah, Saudi Arabia.
6. 2019-2019, Participated in UK-KSA Scientific Workshop on Clean Energy & AI, Research and Development Office | Ministry of Education.
7. 2014-2017, teaching Arabic to adults and children, Colorado Springs Islamic Society Center.
8. 2021-2021, makah hakathon, makah hakathon.
9. 2023-2023, Judge, Ataa.

## Excellence Awards and Patents.

1. 2020, Interior, summer camp, al-sulaymaniyah summer camp.
2. 2022, Interior, Best Department for Post-graduate studies, King Abdulaziz University.

## Funded Projects.

1. 2019, Object and Face recognition, King Abdulaziz University - College Of Computing And IT, funded by Deanship of Scientific Research.
2. 2021, Enhance Precision Agriculture Using Deep Learning Techniques in Computer Vision, Deanship of Scientific Research

## Publications.

1. Faris Kateb, Mahmoud Ragab, "Archimedes Optimization With Deep Learning Based Aerial Image Classification For Cybersecurity Enabled Uav Networks", Computer Systems Science And Engineering, vol: 47, pp. 2171-2185, 2023.  
DOI: [10.32604/csse.2023.039931](https://doi.org/10.32604/csse.2023.039931)
2. Nuruzzaman Faruqui, Mohammad Abu Yousuf, Faris A. Kateb, Md. Abdul Hamid, Muhammad Mostafa Monowar, "Healthcare As A Service (Haas): Cnn-Based Cloud Computing Model For Ubiquitous Access To Lung Cancer Diagnosis", Heliyon, vol: 9, pp. e21520, 2023.  
DOI: [10.1016/j.heliyon.2023.e21520](https://doi.org/10.1016/j.heliyon.2023.e21520)
3. Madini O. Alassafi, Muhammad Sohail Ibrahim, Imran Naseem, Rayed AlGhamdi, Reem Alotaibi, Faris A. Kateb, Hadi Mohsen Oqaibi, Abdulrahman A. Alshdadi, Syed Adnan Yusuf, "A Novel Deep Learning Architecture With Image Diffusion For Robust Face Presentation Attack Detection", Ieee Access, pp. 1-1, 2023.  
DOI: [10.1109/ACCESS.2023.3285826](https://doi.org/10.1109/ACCESS.2023.3285826)
4. Madini O. Alassafi, Muhammad Sohail Ibrahim, Imran Naseem, Rayed AlGhamdi, Reem Alotaibi, Faris A. Kateb, Hadi Mohsen Oqaibi, Abdulrahman A. Alshdadi, Syed Adnan Yusuf, "Fully Supervised Contrastive Learning In Latent Space For Face Presentation Attack Detection", Applied Intelligence, 2023.  
DOI: [10.1007/s10489-023-04619-z](https://doi.org/10.1007/s10489-023-04619-z)
5. Faris Kateb, Mahmoud Ragab, "Archimedes Optimization With Deep Learning Based Aerial Image Classification For Cybersecurity Enabled Uav Networks", 1, 2023.
6. Faris Ketab, Newlin Shebiah Russel, Arivazhagan Selvaraj, Seyed Mohamed Buhari, "Parallel Deep Learning Architecture With Customized And Learnable Filters For Low-Resolution Face Recognition", The Visual Computer, 2023.  
DOI: [10.1007/s00371-022-02757-y](https://doi.org/10.1007/s00371-022-02757-y)
7. Farman Ali, Harish Kumar, Wajdi Alghamdi, Faris A. Kateb, Fawaz Khaled Alarfaj, "Recent Advances In Machine Learning-Based Models For Prediction Of Antiviral Peptides", Archives Of Computational Methods In Engineering, 2023.  
DOI: [10.1007/s11831-023-09933-w](https://doi.org/10.1007/s11831-023-09933-w)
8. Mahmoud Ragab, Faris Kateb, Mohammed W. Al-Rabia, Daa Hamed, Turki Althaqafi, Abdullah S. AL-Malaise AL-Ghamdi, "A Machine Learning Approach For Monitoring And Classifying Healthcare Data-A Case Of Emergency Department Of Ksa Hospitals", International Journal Of Environmental Research And Public Health, vol: 20, pp. 4794, 2023.  
DOI: [10.3390/ijerph20064794](https://doi.org/10.3390/ijerph20064794)
9. Shoroog Ghazee Khenkar, Salma Kammoun Jarraya, Arwa Allinjaw, Samar Alkhuraiji, Nihal Abuzinadah, Faris A. Kateb, "Deep Analysis Of Student Body Activities To Detect Engagement State In E-Learning Sessions", Applied Sciences, vol: 13, pp. 2591, 2023.  
DOI: [10.3390/app13042591](https://doi.org/10.3390/app13042591)
10. Mahmoud Ragab, Faris Kateb, E. K. El-Sawy, Sami Saeed Binyamin, Mohammed W. Al-Rabia, Rasha A. Mansouri, "Archimedes Optimization Algorithm With Deep Learning-Based Prostate Cancer Classification On Magnetic Resonance Imaging", Healthcare, vol: 11, pp. 590, 2023.  
DOI: [10.3390/healthcare11040590](https://doi.org/10.3390/healthcare11040590)
11. Fahd S. Alotaibi Fahd S. Alotaibi, "The Reality Of Saudi Smart Cities And Their Cybersecurity Challenges And", Journal Of King Abdulaziz University Arts And Humanities, vol: 30, pp. 73-113, 2022.  
DOI: [10.4197/Art.30-6.3](https://doi.org/10.4197/Art.30-6.3)
12. Zahid Ullah, Farrukh Saleem, Mona Jamjoom, Bahjat Fakieh, Faris Kateb, Abdullah Marish Ali, Babar Shah, "Detecting High-Risk Factors And Early Diagnosis Of Diabetes Using Machine Learning Methods", Computational Intelligence And Neuroscience, vol: 2022, pp. 1-10, 2022.  
DOI: [10.1155/2022/2557795](https://doi.org/10.1155/2022/2557795)

## Publications.

13. Muhammad Mostafa Monowar, Md. Abdul Hamid, Faris A. Kateb, Abu Quwsar Ohi, M. F. Mridha, "Self-Supervised Clustering For Leaf Disease Identification", *Agriculture*, vol: 12, pp. 814, 2022.  
DOI: [10.3390/agriculture12060814](https://doi.org/10.3390/agriculture12060814)
14. Mahmoud Ragab, Samah Alshehri, Hani A. Alhadrami, Faris Kateb, Ehab Bahaudien Ashary, S. Abdel-khalek, "Encryption With Image Steganography Based Data Hiding Technique In Iiot Environment", *Computers, Materials & Continua*, vol: 72, pp. 1323-1338, 2022.  
DOI: [10.32604/cmc.2022.024775](https://doi.org/10.32604/cmc.2022.024775)
15. Faris Kateb, Muhammad Mostafa Monowar, Md. Abdul Hamid, Abu Quwsar Ohi, Muhammad Firoz Mridha, "Fruitdet: Attentive Feature Aggregation For Real-Time Fruit Detection In Orchards", *Agronomy*, vol: 11, pp. 2440, 2021.  
DOI: [10.3390/agronomy11122440](https://doi.org/10.3390/agronomy11122440)
16. Ali Altalbe, Faris Kateb, "Assuring Enhanced Privacy Violation Detection Model For Social Networks", *International Journal Of Intelligent Computing And Cybernetics*, vol: ahead-of-print, 2021.  
DOI: [10.1108/IJICC-05-2021-0093](https://doi.org/10.1108/IJICC-05-2021-0093)
17. Farrukh Saleem, Zahid Ullah, Bahjat Fakieh, Faris Kateb, "Intelligent Decision Support System For Predicting Student'S E-Learning Performance Using Ensemble Machine Learning", *Mathematics*, vol: 9, pp. 2078, 2021.  
DOI: [10.3390/math9172078](https://doi.org/10.3390/math9172078)
18. Abu Quwsar Ohi, M. F. Mridha, Md. Abdul Hamid, Muhammad Mostafa Monowar, Faris A. Kateb, "Fabricnet: A Fiber Recognition Architecture Using Ensemble Convnets", *Ieee Access*, vol: 9, pp. 13224-13236, 2021.  
DOI: [10.1109/ACCESS.2021.3051980](https://doi.org/10.1109/ACCESS.2021.3051980)
19. Ali Alkhatlan, Faris Kateb, Jugal Kalita, "Attention-Based Sequence Learning Model For Arabic Diacritic Restoration", 2020 6th Conference On Data Science And Machine Learning Applications (Cdma), pp. 7-12, 2020.  
DOI: [10.1109/CDMA47397.2020.00007](https://doi.org/10.1109/CDMA47397.2020.00007)
20. Khudran Alzhrani, Fahad Saud Alrasheedi, Faris Anwar Kateb, Terrance E. Boulton, "Cnn With Paragraph To Multi-Sequence Learning For Sensitive Text Detection", 2019 2nd International Conference On Computer Applications & Information Security (Iccais), pp. 1-6, 2019.  
DOI: [10.1109/CAIS.2019.8769490](https://doi.org/10.1109/CAIS.2019.8769490)
21. Ethan M Rudd, Manuel G&uuml;nther, Akshay R Dhamija, Faris A Kateb, Terrance E Boulton, "What'S Hiding In My Deep Features?", 2018.
22. Faris Kateb, "Improving Neural Networks Robustness For Computer Vision", 2018.
23. Faris Kateb, Jugal Kalita, "Classifying Short Text In Social Media: Twitter As Case Study", *International Journal Of Computer Applications*, vol: 111, pp. 1-12, 2015.  
DOI: [10.5120/19563-1321](https://doi.org/10.5120/19563-1321)
24. Alireza Mahdian, Hansu Gu, Faris Kateb, Sravan Thokala, Shivakant Mishra, "Gps Assisted Adhoc Routing Using Cellphones For Poorly Connected Areas", *The 4th Acm Workshop*, pp. 1-2, 2010.  
DOI: [10.1145/1836001.1836017](https://doi.org/10.1145/1836001.1836017)