

## Academic Resume



### Arwa Basabrain

Assistant Professor, Computer Science Department

#### Contact Information.

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#### Highest Degree.

2022, Doctor of Philosophy, Computer Science, University of Essex, UK.

#### Academic and Professional Experiences.

1. **2022 - Present**  
Assistant Professor, Faculty of Computing and Information Technology, King Abdul Aziz University.
2. **2002 - 2022**  
Teaching Assistant, Faculty of Computing and Information Technology, King Abdul Aziz University.
3. **1999 - 2002**  
Demonstrator, KSA, Computer Science, College of Science, King Abdul Aziz University.

#### Research Interests.

Artificial intelligence, Computer vision, Deep learning, Data and text mining (Big Data), Health informatics, Natural language processing.

#### Teaching Interests.

Artificial intelligence, Computer vision, Neural Network.

#### Certifications and Trainings.

1. NII International Internship Program , In NII Tokyo Medical Center / Japan.

#### Social, Scientific and Professional Affiliation.

## Publications.

1. Arwa Basbrain, John Q. Gan, "One-Shot Only Real-Time Video Classification: A Case Study In Facial Emotion Recognition", vol: 12489, pp. 197-208, 2020.  
DOI: [10.1007/978-3-030-62362-3\\_18](https://doi.org/10.1007/978-3-030-62362-3_18)
2. Inas Al-Taie, Nassr Azeez, Wafa Yahya, Arwa Basbrain, Adrian Clark, "N Biometric Recognition Systems Based On Svmn N And Svmn N Techniques", 2019 Third World Conference On Smart Trends In Systems Security And Sustainability (Worlds4), pp. 158-161, 2019.  
DOI: [10.1109/WorldS4.2019.8903943](https://doi.org/10.1109/WorldS4.2019.8903943)
3. Nassr Azeez, Wafa Yahya, Inas Al-Taie, Arwa Basbrain, Adrian Clark, "Regional Agricultural Land Classification Based On Random Forest (Rf), Decision Tree, And Svms Techniques", vol: 1041, pp. 73-81, 2019.  
DOI: [10.1007/978-981-15-0637-6\\_6](https://doi.org/10.1007/978-981-15-0637-6_6)
4. Nassr Azeez, Inas Al-Taie, Wafa Yahya, Arwa Basbrain, Adrian Clark, "Regional Agricultural Land Texture Classification Based On Glcms, Svm And Decision Tree Induction Techniques", 2018 10th Computer Science And Electronic Engineering (Ceec), pp. 131-135, 2018.  
DOI: [10.1109/CEEC.2018.8674193](https://doi.org/10.1109/CEEC.2018.8674193)
5. Arwa Mohammed Basbrain, John Q Gan, Akihiro Sugimoto, Adrian Clark, "A Neural Network Approach To Score Fusion For Emotion Recognition", 2018 10th Computer Science And Electronic Engineering (Ceec), pp. 180-185, 2018.  
DOI: [10.1109/CEEC.2018.8674191](https://doi.org/10.1109/CEEC.2018.8674191)
6. Inas Al-Taie, Nassr Azeez, Arwa Basbrain, Adrian Clark, "The Effect Of Distance Similarity Measures On The Performance Of Face, Ear And Palm Biometric Systems", 2017 International Conference On Digital Image Computing: Techniques And Applications (Dicta), pp. 1-7, 2017.  
DOI: [10.1109/DICTA.2017.8227495](https://doi.org/10.1109/DICTA.2017.8227495)
7. Arwa M. Basbrain, Inas Al-Taie, Nassr Azeez, John Q. Gan, Adrian Clark, "Shallow Convolutional Neural Network For Eyeglasses Detection In Facial Images", 2017 9th Computer Science And Electronic Engineering (Ceec), pp. 157-161, 2017.  
DOI: [10.1109/CEEC.2017.8101617](https://doi.org/10.1109/CEEC.2017.8101617)
8. Arwa M. Basbrain, John Q. Gan, Adrian Clark, "Accuracy Enhancement Of The Viola-Jones Algorithm For Thermal Face Detection", vol: 10363, pp. 71-82, 2017.  
DOI: [10.1007/978-3-319-63315-2\\_7](https://doi.org/10.1007/978-3-319-63315-2_7)
9. Arwa Basbrain, Dr. Amr Sharaf, Dr. Ibraheem Al-Bidewi, "Intelligent Search Engine For The Holy Quran", International Journal On Islamic Applications In Computer Science And Technology, 2014.