MOHAMED ABDO MOHAMED ALI KASSEM
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It gives me great pleasure to be one of the faculty staff who welcomed the president of Egypt, Mr. President Abdel-Fattah El-Sisi, during his visit to the faculty of artificial intelligence at Kafrelsheikh University.

CURRENT:	➢ Associate Professor (Lecturer) – Robotics and Intelligent Machines Department – Faculty of Artificial Intelligence – Kafrelsheikh University – Cairo. ➢ Scientific reviewer for several international journals.
EXPERIENCE:	➢ Director of the Artificial Intelligence Consulting Center. ➢ Certified trainer from the National Training Academy ➢ Director of the Quality Assurance Unit at the College of Artificial Intelligence. ➢ Partial assignment – Damietta University ➢ Partial assignment – Badr University ➢ Training of trainee's course (TOT) from the National Training Academy ➢ Consultative member for data center unit of digital transformation – Kafrelsheikh governorate. ➢ Senior Assistant Lecturer – Robotics Department – Faculty of Artificial Intelligence – Kafrelsheikh University University – Cairo. ➢ Lecturer - information system department- French University in Egypt. ➢ Senior Assistant Lecturer-information system department- Modern Academy- Cairo. ➢ Assistant Lecturer – Manzala Academy. ➢ Assistant Lecturer – Omalia University – Mansoura Branch. ➢ Senior Medical Software engineer, Consensus Medical Canadian company. ➢ Medical Software Engineer in Health Insight Company. ➢ PHP developer in Dot Com French Company. ➢ Image processing using Artificial Neural Network. ➢ One of the winners in the start with Google 1st stage. ➢ Very active communication with users and clients ➢ Part-Time Instructor at Mogamaa El-Eman training center. ➢ Project manager - Al-Khaleej company Kingdom of Saudi Arabia& other Gulf area branches • Design System Architecture. • Manage Process Requirements. • Solving runtime bugs. • Manage junior developers working on the projects. • Testing the qualification of the software application.

PUBLICATIONS:	1) Mohamed A Kassem, Soaad M Naguib, Hanaa M Hamza, Mostafa M. Fouda, Mohammad K Saleh, Khalid M Hosny "Explainable Transfer Learning-Based Deep Learning Model for Pelvis Fracture Detection", International Journal of Intelligent Systems, 2023, accepted & under publication 2) Yousef S. Alsahafi, Mohamed A. Kassem, and Khalid M. Hosny, "Skin-Net: A Novel Deep Residual Network for Skin Lesions Classification using Multilevel Feature Extraction and Cross-Channel Correlation with Detection of Outlier", journal of Big Data, accepted for publication, 2023, accepted & under publication. 3) Soaad M Naguib, Hanaa M Hamza, Khalid M Hosny, Mohammad K Saleh, Mohamed A Kassem, "Classification of Cervical Spine Fracture and Dislocation Using Refined Pre-Trained Deep Model and Saliency Map", Diagnostics, Vol. 13, No. 7,2023 4) M. M. Eltoukhy, K. M Hosny, and M. A. Kassem, "Classification of Multiclass Histopathological Breast Images Using Residual Deep Learning", Computational Intelligence and Neuroscience, 2022. 5) K. M Hosny, and M. A. Kassem, "Refined Residual Deep Convolutional Network for Skin Lesion Classification", Journal of Digital Imaging, 2022. 6) M. A. Kassem, K. M Hosny, R. Damaševičius, and Mohamed M. Eltoukh, "Machine Learning and Deep Learning Methods for Skin Lesion Classification and Diagnosis: A Systematic Review", Diagnostics, Vol.11, no. 8, pp. 1390, 2021. 7) M. A. Kassem, K. M Hosny, and M. M. Foaud, "Classification of Skin Lesions into Seven Classes Using Transfer Learning with AlexNet", Journal of Digital Imaging, Vol. 33, No. 5, pp. 1325-1334, 2020. 8) M. A. Kassem, K. M Hosny, and M. M. Foaud, "Skin lesions classification into eight classes for ISIC 2019 using deep convolutional neural network and transfer learning", IEEE Access, Vol. 8, pp. 114822-114832, 2020. 9) M. A. Kassem, K. M Hosny, and M. M. Foaud, "Skin melanoma classification using ROI and data augmentation with deep convolutional neural networks", Multimedia Tools and Applications, Vol. 79, No. 33, pp. 24029-24055, 2020. 10) M. A. Kassem, K. M Hosny, and M. M. Foaud, "Skin melanoma classification using deep convolutional neural networks", Deep Learning in Computer Vision: Principles and Applications, CRC Press, 291, 2020. 11) M. A. Kassem, K. M Hosny, and M. M. Foaud, "Classification of skin lesions using transfer learning and augmentation with Alex-net", PloS one, Vol. 14, No. 5, 2019. 12) M. A. Kassem, K. M Hosny, and M. M. Foaud, "Skin Cancer using Deep Learning and Transfer Learning", 9th Cairo International Biomedical Engineering (CIBEC), IEEE, pp. 90-93,2018. 13) M. A. Kassem, N. E. Mekky, and R. M EL-Awady "An Enhanced ATM Security System using Multimodal Biometric Strategy", IJECS-IJENS, Vol. 14, No. 4, pp. 9-16, 2014. 14) Various research papers were submitted and are under review.
EDUCATION	
8\2020	Ph.D. degree, Information Technology Department, Faculty of Computers and Information – Zagazig University – Cairo. Thesis name: "ON Using Digital Image Processing in Identification of Skin Diseases".
9\2017	Pre-doctorate, information technology department, faculty of computers and information – Zagazig University – Cairo.
7/2015	M.Sc. in Information Technology from Faculty of Computer and Information Science – Mansoura University – Cairo. Thesis name: "An ATM Identity and Authentication System based on Biometrics".
2011/2012	Pre-Master Information Technology degree.

2004-2008	B.Sc. Computers and Information, Mansoura University, Dakahleya. Major: Computer Science. **Graduation Project**: Name: "Web Monitoring and Controlling of Industrial System" *Description*: A new way to control and monitor the machines (on/off) via the internet with temperature and quantity of product. *Role:* Team Leader, Architect design, Coder, and Network programming. *Tools:* JAVA
TEACHING COURSES:	➢ Algorithms ➢ Artificial Intelligence ➢ Computer Vision and Robotics ➢ Objected Oriented Programming ➢ Machine Learning ➢ Natural Language Processing ➢ Logic Design ➢ Image Processing ➢ Software Verification ➢ Decision Support System ➢ Databases ➢ Data Structures ➢ Structured Programming ➢ Problem Solving ➢ Bioinformatics ➢ Biometrics ➢ Software Testing

IBM Certificates:

- Predictive Analytics Modeler - Explorer Award
- Watson Machine Learning
- Natural Language Processing V2
- Machine Learning
- IBM Watson V2
- Predictive Analytics Modeler - Mastery Award
- Artificial Intelligence Analyst - Mastery Award

KNOWLEDGE

- Good understanding of Requirements and Design Issues.
- Very Good understanding of Object-Oriented Programming.
- Good understanding of Database Design and implementation.
- Good understanding of Analysis and design methodology.

LANGUAGES

	Understand	Write	Speak
Arabic	Good	Good	Good
English	Good	Good	Good

SOFT SKILLS

- High ability to communicate with people with excellent communication skills.
- Ability to work with different teamwork on many projects.
- Working under pressure.
- Self-motivation and education.
- Effective Presentation.

- Time Management.
- Strategic Planning.

TOMORROW

- **Master** of business administration**.**
- **Prepare** different research papers.

PERSONAL DATA

- Date of Birth: November 5, 1987.
- Place of Birth: Mansoura.
- Marital Status: Married.
- Military Status: Exemption.