

Curriculum Vitae

Abd-Elrahman El-Sayed Mohamed

Personal Information:

Nationality Egyptian
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Degrees & Qualification

ORCID	https://orcid.org/0000-0002-7452-6844	
PhD Information Systems	Data intensive algorithms within cloud computing , Faculty of Computers & Information, Cairo University, Egypt	December 2016
M.Sc. Information Systems	Applying Data Mining Techniques for Ontology Building Using Web Languages Faculty of Computers & Information, Cairo University, Egypt	2008
B.Sc. in Computers and information , Major Information Systems	Faculty of Computers & Information, Cairo University, Egypt	2000
Grade : Very Good		
Graduation project	Case tool for object oriented database design	2000

Professional Experience

2018- Present Researcher at Center for Climate Change, Renewable Energy and Expert Systems

Sep.-2019-Dec.-2019	Data engineer consultant at Food and Agriculture Organization of the United Nation (FAO- Egypt).
2010 – 2014	Head of Department of Knowledge Engineering and Expert System Building Tools, CLAES, ARC.
March 2009 – 20018	Assistant Researcher, CLAES, ARC.
January 2007- January 2008	National consultant for information systems, RADCON project, Food and Agriculture Organization of the United Nation (FAO).
Sep. 2004 - to March 2009	Researcher Assistant, CLAES, ARC.
June 2002 to Sep. 2004	Programmer, CLAES, ARC.

Publications

- Framework for Intelligent Early Warning Systems of Crop Diseases, A Elsayed, N Moawad, International Journal of Advanced Trends in Computer Science and Engineering , 2022
- Elsayed, A. and Ellakwa, S.F., Arabic Dataset For Farmers'intent Identification Toward Developing AChatbot. Elsayed A, Ellakwa SF.,2022.
- “Framework for Mobile based Expert System for Poultry Diseases”, A Elsayed, M Hazman, International Journal of Computer Applications 183 (4), 1-5
- " Smartphone Application for Diagnosing Maize Diseases in Egypt.", Nevien Moawad ,Elsayed, Abdelrahman”. IIT 2020 : IEEE 14th International Conference on Innovations in Information Technology.
- "Integrating expert system with a full-text search to solve growers' problems.", Elsayed, Abdelrahman, Maryam Hazman, and Susan F. Ellakwa. 2019 15th International Computer Engineering Conference (ICENCO). IEEE, 2019.
- “Knowledge Base Tool for Enhancing Expert Systems Dialogue” , A Elsayed, Egyptian Computer Science Journal 43 (2), 2019.
- “Distributed Single Pass Clustering Algorithm Based on MapReduce”, Proceedings Of Eighth International Conference on Intelligent Computing and Information Systems (ICICIS), 2017.
- “A New Approach For Document Clustering Using Mapreduce (Var-Secting Clustering)”, Proceedings Of The European Conference On Data Mining 2015 9, 57-64
- “Ontology Based Document Clustering Using MapReduce”, published in International Journal of Database Management Systems (IJDMS) 7 (2) 2015.
- "MapReduce: State-of-the-Art and Research Directions", Published in the second International Conference on Computer Technology and Science (ICCTS 2013)

- "Applying data mining for ontology building", published in The 42nd Annual Conference On Statistics, Computer Science, and Operations Research
December, 2-5, 2007.

Applications

- Mobile phone applications for Wheat protection,
<https://play.google.com/store/apps/details?id=arc.sci.wheatyrfaw&hl=ar>
- Mobile phone applications for Olive, Pomegranate, Poultry, maize, agricultural e-commerce
<https://play.google.com/store/apps/developer?id=CCICREES>
- Sharing in Building web based information system for Agriculture Research Center URL
(<http://www.arc.sci.eg>).
- Working in Ever-growing global scale-free networks, their provisioning, repair and unique functions project
- Sharing in developing National Gene Bank Database project
- Building web knowledge acquisition tool in the web URL(<http://es.claes.sci.eg/gat/>)
- Developing data warehouse for The National Project for Numbering Cattle and Buffalo across Directorates.
- Sharing in building knowledge acquisition tool
- Sharing in building database module for Expert systems tool.
- Sharing in building an expert system for poultry diagnosis
- Principal of developing E-Learning system for training material of Rural and Agriculture of Development Communication Network [RADCON] project
- Team leader for building an information system for Researcher activities in Agriculture Research Center.
- Developing information system for Giza zoo
- Project manager for Maintenance of Transboundary Animal Disease Information System(TADinfo) Egypt customization project.
- Team leader for building Hotline system for General Organization Veterinary Services
- Participate in information system analysis for Development of Horticulture Information Support System (HORTISUN) under TCP/EGY/3403."
- Participate in building Animal Quarantine Information Systems
- Participate in EU Twinning Project EG12/ENP-AP/AG/19 (Information system module)
- Sharing in building E-market application for helping farmers in selling their products.

Current & possible Future Activities

- Sharing in Building smartphone application for solving farmers' problems.
- Building a system for intelligent managing of field crops.
- Understanding plant languages to fulfill their needs
- Applying Artificial intelligent techniques for optimizing farm resources.

Training

- Trainer of many courses on tool of knowledge acquisition.
- Trainer of course in (Utilization of Intelligent Systems for Plant Protection) in Aleppo, Syria 2006
- Trainee on Irrigation and Extension (TOT) UC, California, USA 2010
- Trainee on Information Communication Technology for Rural Development, India 13-2-2017 to 12-3-2017.
- Trainer of national course in domain of agriculture expert systems , CAIRO 2011 with Cooperation Arab Organization for Agricultural Development (AOAD)
- Trainer of national course in Decision Support Systems , CAIRO 2017 with Cooperation Arab Organization for Agricultural Development (AOAD)
- Trainee on Information Communication Technology for Rural Development, India 13-2-2017 to 12-3-2017.
- Trainee on Online **Seminar on Sustainable Agricultural Development and smart agriculture**, 10.11-10.31, Beijing, China.2022

Preferred areas of work

- Knowledge Engineering, Data mining, Data intensive computing, cloud computing
- Ontology learning, Ontology Matching.
- Database.
- Data warehouse
- Expert systems.

Computer Skills:

- .NET MAUI, Java, Angular, Hadoop, Python, ASP.NET MVC, C#
- Cloud Firestore, SQL Server (Database), My SQL MS Access
- VB