

# EMAN OMAR ELDAWY

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2025

## ABOUT ME

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Lecturer at the Faculty of Computers and Information, Minia University. I obtained my MSc and PhD in Information Systems from Cairo University and BSc from Minia University. I taught multiple courses during my job like information systems, management information systems, data mining, enterprise applications, databases management systems, data analysis and visualization, geographical information systems and system analysis and design. My research interests include data mining, big data systems, information retrieval and database management. I have supervised many graduation projects for the faculty's students, and I also participate in supervising several master's theses for postgraduate students at the faculty.

## EDUCATION

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**B.Sc. of Computers and Information** (very good with Honor Degree), Minia University, Faculty of Computers & Information, Minia, Egypt, May 2007

**Master in Information Systems** "Querying Moving Object Databases", Cairo University, Faculty of Computers and Artificial Intelligence, Cairo, Egypt, September 2012

**PhD in Information System** "Management and Mining of Big Spatiotemporal Data", Cairo University, Faculty of Computers and Artificial Intelligence, Cairo, Egypt, March 2022

## ACADEMIC EMPLOYMENT

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**Lecturer in Information System Depart.** | Minia University April 2022 – Present

**Lecturer at Sadat Academy for Management Sciences, Faculty of Management Sciences.** | Minia Branch October 2022 – July 2025

**Assistant Lecturer Faculty of Computers and Information** | Minia University 2012 – 2022

**Demonstrator in Faculty of Computers and Information** | Minia University 2007 – 2012

## CERTIFICATIONS

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.Net Full Stack Track: from August 19th, 2019, to October 03rd, 2019 (from Information Technology Institute " ITI")

## COURSES TAUGHT

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- Management Information Systems
- Information systems
- Geographical Information Systems
- System Analysis and Design
- E-Commerce
- Enterprise Applications
- Data Mining
- Database Management Systems
- Database Administrations
- Distributed Database
- Data Analysis and visualization
- Mobile Computing

## PUBLICATIONS

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- Mohamed, E., Ismail, W.N. & Eldawy, E.O. Enhancing Arabic healthcare fake news detection with data augmentation and multi-metric analysis using large language models. *Sci Rep* **16**, 5364 (2026). <https://doi.org/10.1038/s41598-025-21733-9>
- Eldawy, E. O., Abdalla, M., Mokhtar, H. M., Hendawi, A., & AbdelAziz, A. M. (2025). Smart real-time detection of risky roads using vehicles trajectories for intelligent transportation. *International Journal of Cognitive Computing in Engineering*.
- Eldawy, E. O., Abdalla, M., Hendawi, A., & Mokhtar, H. M. (2023). Spatio-temporal outlier detection: methods, applications, and research directions. *Emerging Trends, Techniques, and Applications in Geospatial Data Science*, 63-79.
- Eldawy, E. O., Hendawi, A., Abdalla, M., & Mokhtar, H. M. (2021). FraudMove: Fraud Drivers Discovery Using Real-Time Trajectory Outlier Detection. *ISPRS International Journal of Geo-Information*, *10*(11), 767.
- Eldawy, E. O., & Mokhtar, H. M. (2020). Clustering-based trajectory outlier detection. *International Journal of Advanced Computer Science and Applications*, *11*(5).
- El-Dawy, E., Mokhtar, H. M., & El-Bastawissy, A. (2012, November). Directional skyline queries. In *International Conference on Data and Knowledge Engineering* (pp. 15-28). Springer, Berlin, Heidelberg.
- El-Dawy, E., Mokhtar, H. M., & El-Bastawissy, A. (2011, September). Multi-level continuous skyline queries (MCSQ). In *2011 International Conference on Data and Knowledge Engineering (ICDKE)* (pp. 36-40). IEEE.

## **SKILLS**

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- JAVA
- PYTHON
- R
- C#
- C++
- ORACLE
- SQL SERVER

## **RESEARCH INTERESTS**

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- Data Minig
- Big Data Analysis
- Spatio-temporal Database
- Distributed Database
- Natural Language processing
- Information retrieval