Esra'a AL-Daom

Personal information

Address
Irbid, Near Yarmouk University

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0780785891
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Skills

- Programming Languages (HTML, Python, Java..)
- Data Analysis (Excel, SQL, Tableau)

LANGUAGES

- Arabic
- English

Dedicated and knowledgeable Computer Science educator with a strong academic background, holding a Master's degree in Computer Science from Yarmouk University and a Bachelor's degree from Al-Balqa Applied University. Experienced in teaching diverse computer science topics at various academic levels. Passionate about fostering an engaging and inclusive learning environment, integrating modern educational technologies, and inspiring students to pursue innovation in the field of computing.

Education

Master's Degree in Computer Science
Yarmouk University, Irbid, Jordan — 2024

Thesis Title "BIARO: an improved artificial rabbit optimization algorithm for feature selection in high-dimensional data"

Bachelor's Degree in Computer Science
Al-Balqa Applied University, Al-Huson College, Irbid, Jordan — 2016

Experience

Computer Science Instructor (2019 – Present)

- Over five years of teaching experience in computer science, covering programming, web development, and data analysis.

- Skilled in curriculum design, outcome-based education (OBE), and assessment of student learning outcomes.

- Integrated modern teaching technologies and e-learning platforms to enhance classroom interaction and engagement.

- Mentored students in problem-solving, algorithmic thinking, and research-based projects.

- Actively interested in academic research and publication, particularly in computer science education and intelligent systems.

- Committed to fostering critical thinking, innovation, and teamwork in the classroom.

- Aiming to contribute to academic excellence and collaborative research in computer science education

Research and Publications:

1. Al-Khatib, R. M., Al-Khateeb, A., Al-Daom, E., Al-Dagamseh, I. T., Tawalbeh, A., & Abualigah, L. (2023). A new enhanced IGBTQ-based model for CPU scheduling. Applied and Computational Engineering, 8(1), 411– 417. https://doi.org/10.54254/2755-2721/8/20230207

2. Al-Daom, E., & Abed-Alguni, B. H. (2025). BIARO: an improved artificial rabbit optimization algorithm for feature selection in high-dimensional data. *Cluster Computing*, *28*(13). https://doi.org/10.1007/s10586-025-05540-5