

Curriculum Vitae

Sirwan Abdolwahed Aula

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Country: Iraq



Keywords: Optimization Algorithms, Data Mining, Machine Learning

Biography

Sirwan Abdolwahed Aula specialising in Computer Science and Database Systems. He holds an MSc in Database Professionals from Sheffield Hallam University and a BSc in Computer Science from Salahaddin University. He is currently pursuing a PhD in Computer Science and has extensive experience in teaching, research, and academic administration, including serving as vice dean of the Faculty of Science. His research focuses on optimization algorithms, data mining, and machine learning. With expertise in programming languages, database management, and software tools, he actively participates in research and community engagement initiatives at Soran University.

Academic Qualifications

- PhD in Computer Science (2020–2024, ongoing)
Soran University, Iraq
- MSc in Database Professionals (2012–2013)
Sheffield Hallam University, UK
- BSc in Computer Science (2004–2008)
Salahaddin University, Iraq

Professional Experience

Soran University, Soran, Iraq

- Lecturer, Computer Science Department (2009–Present)
 - Taught undergraduate courses including:
 - Mobile Development
 - Web Development (HTML, CSS, PHP, JavaScript)
 - Database Management (MySQL, SQL Server, Oracle)
 - Programming (C, C++, Java, Python)
 - Object-Oriented Programming (OOP)
 - System Analysis
 - Software Engineering
 - Data Mining
 - Visual Programming (e.g., Visual Basic, C#)
 - Multimedia
 - Cloud Computing
 - Supervised student projects in various technical fields.
 - Developed course materials and assessments aligned with modern trends in computer science and IT.
 - Held administrative roles, including Vice Dean of the Faculty of Science and member of multiple academic committees.

Research Contributions

- FOX-TSA Hybrid Algorithm: Advancing for Superior Predictive Accuracy in Tourism-Driven Multi-Layer Perceptron Models
Systems and Soft Computing, 2024
DOI: <https://doi.org/10.1016/j.sasc.2024.200178>
- FOX-TSA: Navigating Complex Search Spaces and Superior Performance in Benchmark and Real-World Optimization Problems
Ain Shams Engineering Journal, 2024
DOI: <https://doi.org/10.1016/j.asej.2024.103185>
- Foxtsage vs. Adam: Revolution or Evolution in Optimization?
arXiv Preprint, 2024
DOI: <https://doi.org/10.48550/ARXIV.2412.17855>

Peer Review Activity

Sirwan Abdolwahed Aula has served as a peer reviewer for academic journals, providing feedback on cutting-edge research in computer science and related fields.

- Detection and Estimation of Schizophrenia Severity from Acoustic Features with Inclusion of K-means as Voice Activity Detection Function
Indonesian Journal of Electrical Engineering and Informatics (IJEI) – Dec 21, 2024
- Research on Predicting Students' Grades After Learning the Ideological and Political Course Using Machine Learning
Systems and Soft Computing – Nov 16, 2024
- Multi-Algorithmic Approach to Personalized Learning in Adult Education and Occupational Training Utilizing Swarm Intelligence and Association Rule Mining
Systems and Soft Computing – Nov 16, 2024
- Advanced Deep Learning Technology for Emotion Analysis on Social Media Platform
Systems and Soft Computing – Nov 3, 2024
- Design of Multiple Recommendation Patterns for E-commerce Based on Backpropagation Algorithm and Genetic Algorithm
Systems and Soft Computing – Nov 1, 2024

Funding

- HCDP Award
Ministry of Higher Education and Scientific Research, Erbil

Technical Skills

- Programming Languages: C, C++, Java, Python, PHP
- Database Management: MySQL, SQL Server, Oracle
- Web Development: HTML, CSS, JavaScript
- Other Tools: MS Office Suite, Photoshop, Visual Basic

Researcher Profiles

- Web of Science ResearcherID: LVS-7431-2024
- ORCID iD: <https://orcid.org/0009-0001-5665-3524>
- Scopus Author Identifier: <https://www.scopus.com/authid/detail.uri?authorId=59423664300>