

Tabarek Alwan Tuib

Ph.D. Researcher in Artificial Intelligence

Samawah, Al-Muthanna, Iraq

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ACADEMIC PROFILE

Emerging researcher in artificial intelligence, intelligent systems, and computational engineering. Her work combines deep learning, machine learning, natural language processing, and optimization to develop accurate and adaptive computational models. She is actively engaged in interdisciplinary research spanning text analytics, biomedical applications, and engineering systems.

EDUCATION

1. Ph.D. Candidate in Computer Engineering and Artificial Intelligence, University of Tabriz, 2022-present. Doctoral field: emotion recognition based on text datasets.
2. M.Sc. in Computer Engineering, Artificial Intelligence, and Robotics, 2021.
3. B.S. in Computer Techniques / Computer Electronics Engineering, Electrical Engineering Technical College, Middle Technical University, 2017-2018. Ranked first in the department.

RESEARCH EXPERTISE

Text emotion recognition

Natural language processing

Deep learning

Machine learning

Attention mechanisms

Optimization algorithms

ACADEMIC AND PROFESSIONAL EXPERIENCE

1. Lecturer, Samawah Technical Institute, 2018-2023.
2. Lecturer, Imam Ja'far Al-Sadiq University, 2020-2023.
3. Lecturer, Computer Center, 2023-2025.
4. Lecturer, Department of Electronics and Communications, 2023-2025.

COMPLETE PUBLICATION LIST

- 2026** Optimization-Algorithm-Based FSS-Assisted Microstrip and SIW Antennas for 5G Millimeter-Wave Applications: Comparative Evaluation of Four Designs.
- 2026** Text Emotion Recognition Based on Deep Learning and Attention with Whale Optimization Algorithm.
- 2026** Leveraging Tumor Induced Frequency Shifts by a 24 GHz Microstrip Antenna with High Sensitivity for Breast Cancer Diagnosis.
- 2026** Particle Swarm Optimization and Ensemble Methods for Absenteeism Prediction.
- 2024** Convolutional Neural Network with Binary Moth Flame Optimization for Emotion Detection in Electroencephalogram.
- 2024** Machine Learning Technique for Detecting Diabetes Disease.
- 2023** Design Zigzag Edge of S Shape Slot Antenna by Using SIW Technology for 5G Application.
- 2023** Using Convolutional Neural Network to Recognize Emotions from Scalp Electroencephalography Plot Images.
- 2023** An Array Antenna Based on Substrate Integrated Waveguide Antenna for 5G Application.

TECHNICAL SKILLS AND LANGUAGES

Technical skills C++ | Arduino | MATLAB

Languages Arabic (native) | English (professional) | Persian (working proficiency)

RESEARCH PROFILES

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