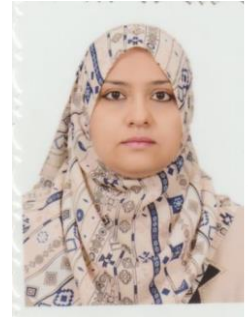# Resume

Full Name: Sarah Ali Abdulkareem

Date of birth: 7/9/1984

Address: Baquba city, Diyala

Cell Phone: (+964) 7723108136

Certification: Mc.s computer science

General specialty: Computer Science

Specialty: Data Mining

Scientific Title: Assistance Teacher

Date of Obtaining: 15/6/2017

Affiliation: Troy University- USA

Email: sara30201@gmail.com , sarah.ali@uodiyala.edu.iq

Other Information
Mother Language: Arabic - **Foreign Language**: English

Qualification and degrees:

Sarah Ali Abdulkareem has received the B.Sc. in Computer Science, University of Diyala, 2007 and M.Sc. degree from Troy University, USA. She has published several scientific papers in national, international conferences and journals. She is working as Assistant Teacher in University of Diyala.

Academic and scientific experience
Programming Language: java, python,
Database: MySQL

Subjects of Teaching

Data mining
Artificial intelligence
Neural Network
Datamining
Image processing

Responsibility

- Staff member and Lecturer in College of Physical Education and Sports Sciences / Diyala University from 2017 tell now.

Conferences

- 2018 1st Annual International Conference on Information and …
- IOP Conference Series: Materials Science and Engineering 928 (3), 032012

Publication List

- Modeling information spread in polarized communities: Transitioning from legacy media to a Facebook world
- the impact of social media on academic performance enhancement: a case study of iraqi students
- deep learning with network of wearable sensors for preventing the risk of falls for older people
- solving course timetabling problem based on the edge coloring methodology by using jedite

Professional Memberships
Member of University Lecturers Association

Acknowledgments:

- Six Gratitude& Appreciation letter from the Dean of College, (2008-2020).
- Three Gratitude& Appreciation letter from the President of University of Diyala, (2008- 2020).
- Three Gratitude& Appreciation letter from the Minister of Higher Education and Scientific Research (2010-2021).

Master's thesis Title:

PICKING WINNERS OF VOLLEYBALL GAMES USING DATA MINING

The growth of professional and collegiate sports has led many sport organization to think of better ways to accurately evaluate team performances and optimize coaching strategies. With the expansion of volleyball data in the recent years, it has become possible to use data mining and machine learning methods towards these objectives, allowing the discovery of relevant volleyball game outcome patterns hidden in player and game data sets. In this project, we are going to use three machine learning algorithms – K-Means, Support Vector Machine and Logistic Regression – to train a model that can predict the winner for women's NCAA Division I volleyball match. To select high-quality features, we proposed the use of the K-means clustering algorithm to cluster all players into one of three clusters, representing categories of player roles and technical abilities. Prior to this, we formatted the data using a MySQL database. The features computed using MySQL queries, python code, and machine learning libraries. The trained model was able to predict the winner with accuracy 94% by using Support Vector Machine.