



SAHAR AWAJI

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OBJECTIVE

Dynamic and dedicated researcher with a strong foundation in Big Data Analytics, Statistics, and Data Science. Seeking to leverage analytical skills and academic knowledge to drive impactful outcomes on innovative projects.

SKILLS

- Programming Languages: Python, R, SQL
- Data Science: Machine Learning, Data Mining, Data Visualization, Probability and Statistics
- Tools & Software: SAS, SPSS, MATLAB, Git, Tableau, Spark, TensorFlow, PyTorch

EXPERIENCE

- PhD Research Assistant, University of Central Florida (Aug 2022 – Present)
Spearheaded advanced research projects in collaboration with academic professionals.
Contributed to published findings and data analysis for studies.
- Al Jeel Private Schools, (2013- 2015)
Assistant teacher for elementary and middle school students.
Developed and delivered engaging lesson plans in mathematics and science.
Evaluated student progress and provided additional support as needed.

PROJECTS

- **Spatial Data Analysis for Wingsuit Skydiving**
Performed exploratory data analysis on GPS data from wingsuit skydives.
Identified mislabeled fields in the logbook data using visualizations and statistics.
Provided recommendations to improve wingsuit flight based on findings:

Increase glide ratio and horizontal speed.

Improve precision and acrobatic flying.

Develop ability to change altitude and heading.

Deliverables included executive summary, analysis report, presentation slides, and video presentation.

- **Time Series Analysis of Bank of America Stock Prices**

Performed exploratory data analysis on historical stock price data.

Modeled trends and seasonality using ARIMA and Holt-Winters forecasting.

Evaluated model performance to provide insights and predictions.

- **Customer Churn Prediction for Netflix**

Analyzed subscription data to identify factors influencing customer churn.

Engineered features and trained classification models like logistic regression and random forest.

Delivered recommendations to reduce customer churn based on model findings.

EDUCATION

Ph.D. Big data analytics University of Central Florida, Expected Spring 2024.

Master Statistic and Data science, University of Central Florida, Spring 2023.

Master Statistic, Taif University, Spring 2016

Bachelor of Mathematics and Statistics, Taif University, Spring 2012

AWARDS & RECOGNITION

- Certificate of Attendance, 5th International Conference on Mathematics and Information Sciences, Zewail City of Science and Technology, 2016
- Certificate of Appreciation, 6th Scientific Conference of the Ministry of Education, Saudi Arabia, 2016
- Certificate of Appreciation, 4th Scientific Conference of the Ministry of Education, Saudi Arabia, 2014

VOLUNTEER EXPERIENCE

Treasurer, Saudi Club at UCF, 2020-2021

Cultural Affairs Representative, Saudi Club at UCF, 2019-2020

Organization Volunteer, Eid al-Adha and Saudi National Day events at UCF, 2018

Conference Volunteer, Scientific Conferences in Saudi Arabia, 2014 & 2016

Eid al-Adha Volunteer for Orphans, Taif, Saudi Arabia, 2007-2016