ZAKARIA ABDULRAHIM ALSAHFI
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EDUCATION

Master of Science in Data Science **Des 2020**
Maryville University – St. Louis, Missouri, USA

Bachelor of Science in Computer Science with Minor in Applied Mathematics **Des 2018**
Fontbonne University – St. Louis, Missouri, USA

PROFESSIONAL DEVELOPMENT

• Digital transformation (80 hours) • Blockchain Development in Depth (40 hours) • Computer vision (20 Hours)
• IT Project Management (20 hours) • IT Risk Management (20 Hours) • CompTIA A+ (20 Hours) • CCNA (20 Hours)
• CCNP (20 Hours)

KEY SKILLS

• Data Visualization • Predictive Analysis • Statical Modeling • Data Analytics • Data Mining • Big Data
• Clustering& Classification • Machine Learning • Deep learning • Text mining

TECHNICAL SKILLS

- **Programming**: R, Python, SQL, SAS, VBA, Scala, Swift, Java, Excel, R Shiny, Tableau
- **Packages**: TensorFlow, Scikit-learn, NumPy, Pandas, NLTK, SciPy, BeautifuleSoup, Matplotlib, Seaborn, Spark
- **Statistics/Machine Learning**: Statistical Analysis, Linear/Logistic Regression, Clustering, Graph Theory

PROJECTS

Women's Clothing E-Commerce Reviews **Feb 2019 – May 2019**
Using python to Build several models to forecast Recommended IND and Rating using Review Text.
• Bag of Word Models, including binary, count, TF-IDF, freq • Word Embedding Model • SVM

Identify Metastatic Cancer **Aug 2019 – Des 2019**
Using python leveraging Transfer Learning and Convolutional Neural Networks implemented with Keras-CNN.

Missouri State COVID-19 (Team Project) **Mar 2020 – May 2020**
Using R language with shiny and other open-source packages Interactive Dashboard for real-time visualization of the COVID-19 epidemic in Missouri State.

Determining Trade Union Status Project **Jun 2020 – Sep 2020**
This project deals with the implementation of different models and doing preprocessing with the data to compare the results and performance of different models. We applied statistical techniques to see which model is performing best. In this project, we will create a binary classifier that will predict that either the data scientist will remain a USDU member or not.

CONFERENCE PAPER PRESENTATIONS

Yao, M., Wei, J., Alsahfi, Z., & Rahmani, B. "How to Manage Spread of COVID19 in Midland China by Machine Learning Classifiers." COVID-19 and modeling in management science, Liverpool University, UK, October 14, 2020.