R A F I Q   K A M A L

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H I G H L I G H T S

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GIST: A disciplined, self-starting, lifelong learner with ten years of valuable college-level composition teaching experience who completed an elite bootcamp in 2020 with full stack and data science projects.

T E C H N I C A L   S K I L L S

Expertise: Python and JavaScript
Proficiency: AWS Certified, Machine Learning, data science, Node.js, React, Jest, HTML/CSS, Mongo DB, SQL, TensorFlow, Anaconda, Scikit, NumPy, Pandas, Matplotlib, Express, and Mustache Handlebars
Exposure: jQuery, SocketIO

E X P E R I E N C E

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Nov 2022, Machine Learning, *Efficient Algos*
- Data preprocessing, training sets, testing, predicting, and modeling on data sets in both Python and R
- Models utilized: regression/classification, multiple linear regression, polynomial regression, decision trees regression, random forest regression, logistic regression, and Reinforcement learning
- Clustering (K-Means, Hierarchical), Associate Rule Learning, Natural Language Processing, Neural Networks, deep learning, and dimensionality reduction (SVR, SVM, KNN) and Boosting

Jan 2022, Full Stack Developer, *Efficient Algos*
- Created, edited, and tested REST API's for various user models and authentication
- Worked on real-time chat app with client-side companion using socket technology
- Backend technology stack includes using NodeJS, Express, Jest, Mongo DB, SocketIO
- Utilized cloud services and cloud architecture, jQuery and Mustache Handlebars templates for development

Oct 2021-May 2022, Data Scientist, *Gulf University of Science and Technology*, Kuwait
- Created a Python script that received, cleaned, and aggregated data from the World Bank Open data into visualizations: histograms, scatter plots, and binary strings
- Performed complex data analysis using real-world data using Python which has been published in a peer reviewed academic journal analyzing World Bank data
- Collaborated with data scientist, Kamaludin Dingle, to determine patterns in real-world data
- Utilized Python3 to create data visualizations for RNA structures and frequency comparisons (Hamming distances, histograms, and means)

2012-2022, English Instructor, *Gulf University of Science and Technology*, Kuwait
- Used data in a recursive cycle to improve teaching and student outcomes
- Collaborated with other teachers in peer observations and peer feedback
- Became tech lead with two years of joining

2014-2017, UI Webmaster (Volunteer), *TESOL Kuwait*
- Maintained and enhanced the TESOL Kuwait website
- Developed logos and emblems used in annual TESOL Kuwait conference advertisements.

P R O J E C T S

- Created a weather app that interacts on the backend with MapBox and Dark Sky APIs
- Developed the front end for a to-do app

E D U C A T I O N

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2020-2022   Full Stack Training, *Launch School*, LaunchSchool.com

2009-2012   M.A., Education (Teaching English as a Second Language), *San Francisco State University*

2002-2007   B.A. English, *Morehouse College*

2002-2007   Minor in Mathematics, *Morehouse College*