FERNANDO SIRIAS

Data Scientist & Data Analyst

San Francisco, Heredia, Costa Rica

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LINKS

www.fsirias.tech*, *Linked In*, *Github

PROFILE

Data scientist & data analyst with a strong attention to detail who quickly understands and solves complex problems and with a high quality of work. Holds strong technical knowledge in Python. I apply data science techniques to provide stakeholders with crucial strategic information and create **machine learning** model that can make crucial predictions.

Professional with great analytical skills, good communication, constantly learning and excellent teamwork as well as independently.

Tools: Python, SQL, R, Tableau, Spark, Machine Learning, Git, MongoDB.

EMPLOYMENT HISTORY

Dosimetry Technician, ICU Medical — Feb 2020 — Sep 2021

Heredia

- Responsible of monitoring the sterilization process by measuring the doses received by the product and interpreting the behavior of the process through control charts.
- Use of specialized software (Minitab, Excel, InfinityQS) for the statistical control of the process and interpretation of graphics.
- Perform multiple validation of products and advanced spreadsheets with success, high quality and in a short period of time, which allowed the company to process new products and comply with the established plan.

Production Operator, ICU Medical — Feb 2019 — Feb 2020

Heredia

- Perform final acceptance testing of infusion pumps using python scripts for software testing, software updates, and connectivity testing.

EDUCATION

Data Science Bootcamp — Sep 2021 — Dec 2021

Coding Dojo

Heredia

Bachelor Computer Science — Jan 2020 — Present

Universidad Hispanoamericana

Heredia

Google Data Analytics Professional Certificate — Oct 2021 — Present

Coursera

Google IT Support Professional Certificate — Sep 2020 — Feb 2021

Coursera

SKILLS

Python	***Experienced***	Spark	***Experienced***
SQL	***Experienced***	Machine Learning	***Experienced***
R	***Skillful***	Git	***Experienced***
Tableau	***Experienced***	MongoDB	***Beginner***

LANGUAGES

Spanish ..... ***Native speaker*** English ***B2***

COURSES

Spark and Python with PySpark on AWS for Big Data ..... Nov 2021 — Dec 2021

Udemy

AWS Cloud Practitioner Essentials ..... Sep 2021 — Nov 2021

Coursera

PROJECTS

Capstone Project Data Science Bootcamp .....

- This project uses data from the Center for Disease Control and Prevention (CDC) on factors that can contribute to a person having diabetes.
- Exploratory Data Analysis & Feature Engineering.
- Implementation of various models: Random forest, K-Nearest Neighbor, XGBoost Classifier, Neural Network, Extra Trees, Automated ML.
- Tableau Dashboard.

Heart Diseases Prediction .....

- Heart Disease dataset from UCI data repository to create a supervised model that can predict if a person is at risk of heart disease or not.
- Created a Logistic Regression Model, performed feature engineering technics
- Dashboard using Plotly Dash and deployed on Heroku.
- Model metrics: accuracy: 0.90, AUC: 0.94.

Loan Prediction Based on Customer Behavior .....

- PySpark using Databricks.
- Supervised Learning Model using Spark MLlib
- Random Forest Classifier

Household Power Consumption .....

- Robust Dataset, more than 2 millions observations
- Predict household global minute-averaged active power
- PySpark using Databricks
- Random Forest Regressor. RMSE: 0.226