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 witha 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 asindependently.

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

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 andinterpreting the behavior of the process through control charts.
- Use of specialized software (Minitab, Excel, InfinityQS) for the statistical control of the process andinterpretation of graphics.
- Perform multiple validation of products and advanced spreadsheets with success, high quality and in a shortperiod 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, softwareupdates, and connectivity testing.

EDUCATION

Data Science Bootcamp
Sep 2021 — Dec 2021
Coding Dojo
Heredia

Bachelor Computer Science
Jan 2020 — Present
Universidad Hispanoamericana
Heredia

IBM Machine Learning Certificate
Dec 2021 — Present
Coursera

Google Data Analytics Professional Certificate
Oct 2021 — Present
Coursera

Google IT Support Professional Certificate
Sep 2020 — Feb 2021
Coursera

SKILLS

Python	***Experienced***	Machine Learning	***Experienced***
SQL	***Experienced***	Git	***Experienced***
R	***Skillful***	Power BI	***Skillful***
Tableau	***Experienced***	TensorFlow	***Experienced***
Apache Spark	***Experienced***	HTML,CSS,JavaScript	***Skillful***
MS Excel	***Experienced***	Linux	***Skillful***

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

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

Heart Diseases Prediction

- Link to Project
- Heart Disease dataset from UCI data repository to create a supervised model that can predict if a person is atrisk 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.

Lending Club Loan Analysis

- Link to Project
- Advance Exploratory Data Analysis
- Supervised Learning Model using Sklearn: Logistic Regression, XGBoost, Random Forest
- Model Metrics: Accuracy - 0.95, Recall - 0.97, Precision - 0.97

Household Power Consumption

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