Kwabena OSEI-TUTU

DATA SCIENTIST

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ABOUT ME

A data enthusiast with over 4 years experience in the information technology domain. Applies statistics techniques, data mining and machine learning to data in order to derive added value

PORTFOLIO

- https://github.com/Nanasei878
- https://t.ly/WE93
- www.kwabenaoseitutu.com

TECHNICAL SKILLS

Programming Language - Python, R, HTML,SQL , JSON, XML, Javascript

Frontend - React

Backend - Node.js(Express.js)

Tools - Tableau, Docker, AWS, QGIS, Spark, YOLO, Pandas, Numpy, Seaborn, Keras, Sklearn

Database - Postgres, Cassandra, Mongodb

Operating System - Linux, Mac OS, Windows

Version Control - Git

CERTIFICATES

Data Analysis with Python
IBM Cognitive Class
06/2020 - 07/2020

Machine Learning with Python
IBM Cognitive Class
07/2020 - 08/2020

LANGUAGES

English - Native or Bilingual Proficiency

French - Professional Working Proficiency

EXPERIENCE

Software Developer and Teacher - Linguistic Communications, Montreuil, France
04/2023 - present
- Led a team in developing and deploying serverless application using Vercel, and Supabase, resulting in reduced infrastructure costs and improved scalability.
- Architected and implemented RESTful APIs in Node.js, delivering coherent communication between front-end and back-end systems.
- Taught undergraduate courses in English Language and Information Systems, receiving consistent positive feedback from students for clear explanations and engaging teaching methods.

Data Scientist - INRAE Colmar, France   09/2020 - 01/2020
- Constructed dashboards that were used to track periods of favourable and unfavourable weather conditions and also predict the price volatility rate from complex data sets with Python
- Developed a robust quantitative model to assess agroecosystems' resilience to global warming. To validate the data set's suitability for the subject matter, the model explained 83% of the information in the data set.
- Identified the resilient agroecosystems in the Grand Est region of France using pareto ranking

Data Engineer - Millicom International Cellular SA Accra, Ghana   10/2014 - 09/2019
- Collected and translated 35 different types of electronic data records(EDR) from switches and delivered to the data warehouse using the Mediation platform resulting to an average increase of 4.24% in monthly revenue
- Performed Mobile Financial Systems(MFS) integrations with over 80 different companies via the Third Party Gateway System maximizing MFS revenue by 25%
- Designed and deployed new enterprise applications and enhanced existing enterprise applications and operating systems increasing system availability to 98%

EDUCATION

Master in Artificial Intelligence and Digital Transformation
The AI Institute (Paris) France
2020 - 2021
- Mathematical and Data Management for Data Science and Artificial Intelligence, Machine Learning and Deep Learning Techniques,Computer Vision and Natural Language Processing

M.Sc. Agricultural and Food Data Management(Data Science)
UniLaSalle, Rouen, France
2019 - 2021
- Qualitative Image Analysis, Data Quality Management, Software Engineering, Modelling, Big Data Management

PERSONAL PROJECTS

US Food Import Analysis   07/2022
An analysis of the United States' expenditure on imported foods from 2009 to 2021
- Tools and Methodologies: Tableau

Car Price Predicting Application   04/2022
A web application that take specifications provided by user as input and predicts car price using a deployed machine learning model
- Tools and Methodologies: Python(flask, numpy, pandas), Ngrok, XGBoost regressor