

Celdrick N. KUTA

Data Scientist | Data Analyst

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Data science professional with 5+ years of experience across range of technical and non-technical roles. Dedication in data collection, cleaning and organizing data for use by technical and non-technical personnel. Significant Industry experience with developing answers through incorporating state-of-the-art machine learning and deep learning techniques to perform predictive modeling, quantitative as well as detailed data analysis helping organizations find new clients, expand their businesses and make informed decisions.

EDUCATION

- May 2021 Master of Science in Applied Statistics Illinois State University, Normal USA.
- Jul 2016 Master of Science in Computer Science University of Yaoundé, Cameroon.
- Jul 2010 Bachelor of Science in Mathematics and Computer Science from University of Buea, Cameroon.

SKILLS

Programming	Python, R, SQL, MATLAB, Java, C, C++, Scala, Linux, LaTeX, HTML5, Javascript, CSS, SAS
Frameworks	Hadoop, Spark, PySpark, AWS, Facebook Prophet, Python, ELK Stack
Databases	IBM DB2, Oracle Database, Microsoft SQL Server, MySQL, PostgreSQL
Tools	Jupyter Notebook, Eclipse, VS Code, AWS SageMaker, git, Spyder, BigQuery, Celonis, Azure Devops
Modeling	Regression, Classification (Logistic, Decision Trees, Random Forest), Clustering(hierarchical, Recommendation Systems and K-means), Naïve Bayes, PCA, SVM, Boosting and Bagging, Time Series Analysis, Process Mining
Operating systems	Mac OS, Windows Server, Windows 11, Linux Redhat, Linux Centos
Others	A/B testing, ETL, Data science pipeline (cleaning, wrangling, visualization, modeling, interpretation), Statistics, Time Series, Experimental design, Hypothesis testing, OOP, OOD, APIs, Excel, Cross-Functional Collaboration.

PROFESSIONAL EXPERIENCE

- Present - Oct 2022** | **Data Scientist, CITIUSTECH HEALTHCARE TECHNOLOGY PVT. LTD, Princeton-NJ**
 - > Development of emerging product; 'Find the Right Expert'. Used to recommend an expert physician in a particular specialty based on user search query
 - > Understood client requirements and extracted data from Bigquery and third party APIs PubMed, WoS, Snomed, data cleaning and regular expressions.
 - > Creating Biosentvec embeddings and data indexing into Elastic Search. Calculating Similarity scores with index data in ES.
 - > Created new covariates or predictor markers for ML model per client requirements.
 - > Create word embeddings with BiosentVec and index data into Elastic search for various publications
 - > Utilized Python to implement supervised ML algorithm - Learning to Rank with over 31 megabyte records trained with pointwise, pairwise and list wise approach
 - > NLU and data processing need of client, Creating benchmark dataset for the solution.

Python | VSCode | Elastic Search | Postman | Google Bigquery
- Sept 2022 - Jun 2021** | **Data Scientist, ELEVATED TECHNOLOGIES, Houston-TX**
 - > Part of the Data Science team at Elevated technologies that was tasked with the design and validation of an insurance product to be able to predict the severity of insurance claims post an unforeseen event for their client.
 - > Utilized Python to implement supervised machine learning and accommodated all the past transactions' history and the point of contact information to create enhance features to predict insurance claim severity on 60MB of structured data.
 - > Reduced total process time by 20% and increase accuracy of existing model by more than 10% than previous years.
 - > Client is able to plan promotions accordingly by understanding important factors for claims severity.

Python | Glue ETL | AWS | SQL | Athena

May 2021 -
Feb 2020

Data Scientist, OPTIMUM, Houston-TX

- > Tasked with automating the process of detecting and localizing defects in real time found in steel manufacturing for their client.
- > Designed and Implemented a state-of-the-art Deep Learning architecture in python on historical imagery data with 4 types of defects to classify image as defect or defect free , applying segmentation model to localize defects when present.
- > New market strategy for streamlining sales cycles from 2 months to 1 month raising sales team performance Month over Month (MoM) by 40%
- > The Client is now able to scale up quality production with minimal budget while minimizing pollution through waste emission.

Python Windows Server Deep Learning

Jun 2018 -
Nov 2016

Data Analyst, PANUS SOFTWARE, Buea-Cameroon

- > Coordinated detailed industry analysis, research, drafted reports and developed analytical insights for Banking Clients to optimize marketing strategy by performing customer segmentation in R.
- > Designed 5+ dashboards for clients leveraging over 20+ user requested features ranging from Sales, Revenue, Profits, Returns & discounts etc.
- > Spearheading business development expanding dashboard sales to nearby markets raising revenue by 250%.

R Tableau Power BI

LANGUAGES

English ●●●●●
French ●●●●○

STRENGTHS

- > Passionate
- > Motivated
- > Autonomous

PROJECTS

NATURAL LANGUAGE PROCESSING

 makedatashine.com

Topic modelling with Kmeans clustering machine learning in order to group customer reviews based on recurring patterns.

Python SQL

RETAIL PRICE OPTIMIZATION

 makedatashine.com

Use price elasticity to set optimal price to maximize profit while leveraging customers responsiveness.

Python Excel

SALES FORECASTING

 makedatashine.com

Implement Facebook prophet for time series sales data to forecast future sales taking into account seasonality, trends, anomaly

Python Flask

RECOMMENDATION SYSTEM

 makedatashine.com

Leveraged machine learning to build and deploy a Recommender System in Python based on collaborative filtering on over 2MB data of verified customer reviews and ratings

Python AWS SageMaker Heroku

REFERENCES

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