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LINKS

- <https://github.com/zerrouki95samir>
- <https://www.linkedin.com/in/samir-zerrouki-53a8081a1/>
- https://www.fiverr.com/users/samirzzrrouki/seller_dashboard

EDUCATION

MBA: Software
Engineering & Data
Processing **M'hamed
Bougara Univerty**,
Boumerdas, 35, July 2022

Bachelor's: Computer
Science And

SAMIR ZERROUKI

PROFESSIONAL SUMMARY

- Over 3 years of solid experience in data analysis, data mining with large structured and unstructured datasets, data acquisition, data validation, predictive modeling, statistical modeling, data visualization, web mining and extraction.
- Proficient in statistical programming language such as Python.
- Expertise in synthesizing Machine learning, Predictive Analytics.
- Extensively used SQL, Numpy, Pandas, Scikit-learn, Spark, Hive for Data Analysis and Model building.
- Extensively used python framework such as Dash/Plotly, Flask and Fastapi.
- Strong experience and knowledge in Data Visualization, designing, developing, and scheduling reports/dashboards with Dash/Plotly: Maps, Line and scatter plots, Bar Charts, Histograms, Pie chart, Dot charts, Box plots, Time series, Error Bars, Multiple Charts types, Multiple Axes, subplots etc.

SKILLS

- **Database Design Tools and Data Modeling:** Fact & Dimensions tables, physical & logical data modeling, Normalization and De-normalization techniques, Kimball.
- **Databases:** SQL/NoSQL DBs
- **Languages:** PL/SQL, SQL, C, C++, Python, Javascript. CSS, HTML
- **Backend-Frameworks:** Flask and FastApi.
- **Frontend and Visualization Frameworks:** Dash/Plotly
- **Operating Systems:** Microsoft Windows, Linux and UNIX

WORK HISTORY

January 2017 - Current **Freelancer - Data Engineer/Python Developer,**
Ouled Moussa, Boumerdes

- Built databases and table structures following different architecture methodology for web and desktop applications.
- Interpret problems and provides solutions to business problems using data analysis, data mining, optimization tools, and machine learning techniques and statistics.
- Worked on machine learning on large size data using Google Bigquery.
- Data sources are extracted, transformed and loaded to generate CSV data files with Python programming and SQL queries.
- Worked on data pre-processing and cleaning the data to perform feature engineering and performed data imputation techniques for the missing values in the dataset using Python.
- Created Data Quality Scripts using SQL and Python to validate quality of the data. Created various types of data visualizations, Dashboards using Python.
- Designed and developed NLP models for sentiment analysis.
- Developed ML model for Time Series forecasting for a car dealership.
- Designed and developed Deep Learning model for Fake News Detection base on Stance Detection.
- Researched, designed and implemented scalable applications for data extraction, analysis, retrieval and indexing.
- Stored, retrieved and manipulated data.
- Generated detailed studies on potential third-party data handling solutions, verifying compliance with internal needs and stakeholder requirements.

CERTIFICATIONS

- Computer Science, Université M'hamed Bougara Boumerdes - 2019.11.17
- Software Engineer and Data Processing, M'hamed Bougara Boumerdes - 2022.07.07