Eng. Merari González Hernández

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I participate in solving problems related to processes, organization and customer satisfaction through the use of software tools or other IT tools and those related to Big Data, Machine Learning and Data science.

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PUBLICATIONS

Application of Data Science to Discover the Relationship between Dental Caries and Diabetes in Dental Records (HIMS 2016), Las Vegas, NV, USA.

Application of Data Science to Discover Violence-Related Issues in Iraq. June 2020

https://arxiv.org/abs/2006.07980

🎓 ACADEMIC TRAINING

ENGLISH COURSE
Summer 2019

San Diego Continuing Education Cesar Chavez Campus. - San Diego, CA
Intermediate level

MASTER IN COMPUTER SCIENCES
2015 - 2018

University of Montemorelos. Mexico
Thesis: Application of data science to discover social needs.

COMPUTER ENGINEERING
2008 - 2012

National Technological Institute of Mexico. Chiapas
Project: Design of a network for Cecytech campus.

👔 PROFESSIONAL EXPERIENCE

August 2023 – Currently

Amado Nervo School center

TEACHER

At the secondary and high school level, technology and digital culture respectively.

Achievements:

- Time management
- Class preparation for students
- Use of Classroom for practical activities
- Content evaluation
- Activities to review content seen in class
- Technical assistance in projection during school events

May 2022 - May 2023

Polytechnic University of Tapachula..

TEACHER FOR FEES

In the Software Engineering career, with the subjects of software requirements engineering, service-oriented architecture, web programming, concurrent programming.

Achievements:
- Time management
- Feedback
- Steady improvement
- Strategic planning
- Group control
- Timely attention to requests
- Supervision of subject projects
- Review and correction of documents
- Use of virtual platform to send activities

MASTERY OF TECHNOLOGICAL TOOLS

Machine Learning*:* use of KNN, Näive Bayes, Decision Trees and Logistic Regression algorithms, among other algorithms.

Data science: handling and obtaining unstructured data, semi-structured data, structured data through queries or the use of web scrapping.

Python: Scikit Learn libraries, pandas, numpy, Anaconda, management of evaluation metrics: accuracy, recall, precision, f1-score for algorithm evaluation, web scrapping.

Databases: design and creation of BD. Knowledge of PostgreSQL and MySQL

HTML, CSS, PHP, LARAVEL: design and creation of web projects.

Office: creation of documents, macros in Excel.

COURSES & CERTIFICATIONS

2024   **English Course**

January - Now. Vanguardia Académica

2022   **Data Science and Machine Learning Python Course**

August - December.

2021   **Basic course "Database Administration with MySQL"**

June 28 – July 14. Trivial Analytics

 Proof of Participation "UANL Digital Strategy"

April 19 – 23. Autonomous University of Nuevo León

Diploma "Python Fundamentals with Databases"