

NOEMI GUERRA MONTIEL

Summary

Dedicated Systems Engineer with a strong foundation in programming, web development, and ML projects. Committed to contribute to team success through diligence, attention to detail and continuous learning in the tech industry.

Education

B.S. IN ROBOTICS AND DIGITAL SYSTEMS ENGINEERING – ITESM MTY – Mty, MEX Aug 2019 – Jun 2023
Accomplishments: Academic Scholarship and Honorable Mention of Excellence GPA: 98.12/100

INTERNATIONAL STUDIES PROGRAM AT CSU – San Diego State University – San Diego, CA Fall Semester 2022
Computer Science coursework: Data Science, Machine Learning, Algorithms, and Computer Vision GPA: 4.0/4.0

Skills

Python Django, Flask, pytest, sklearn	React UI/UX design, routing	HTML5 / CSS3 Tailwind, Bootstrap	Agile SCRUM, Jira	C++ / C# OOP, embedded sys
SQL MySQL, MSSQL, SQLite	JavaScript AJAX, Selenium, REST	Tableau Dashboards, data analysis	Git Github	Linux Bash scripting

Projects

SOCIAL NETWORK WEBSITE – Tijuana, BC December 2023

- Created a Django-based social network mockup with **HTML**, **CSS**, and **JavaScript**.
- Implemented Django models for users and posts, along with an **AJAX API** for post editing and liking.

MENTAL HEALTH APP “BE WELL” – Monterrey, NL August 2021

- Developed a mental health app for Android devices using **java** with registration, forms, and the use of an **API** for Google speech recognition.

E-COMMERCE SALES ANALYSIS – Personal Project – Tijuana, BC October 2023

- Performed data analysis on a store’s public database using **Microsoft SQL Server** to understand the factors that could increase profitability.
- Use of JOINS, GROUP BY, subqueries, aggregate functions, conditional filtering, database management, and critical thinking.
- Created a dashboard with **Tableau** to visualize the most sold products, the resulting revenue, and to understand customer demographics.

TENTATIVE PREDICTION OF MENTAL HEALTH CONDITION – University Project – San Diego, CA November 2022

- Used **Python** for preliminary predictions on individuals' susceptibility to depression, anxiety, and stress symptoms.
- Utilized **pandas** for data wrangling, **matplotlib/seaborn** for visualization, and **sklearn** for ML models, achieving 92% accuracy.

Courses

WEB PROGRAMMING WITH PYTHON AND JAVASCRIPT —Harvard University (Online course) —Web Development	In progress
SW TESTING AND VALIDATION —University of Leeds (Online course) — Software testing, validation & development	Aug 2023
PYTHON ESSENTIALS FOR MLOPS —Duke University (Online course) — Python , Azure , Information Engineering	Sep 2023
INTRO TO DATA SCIENCE IN PYTHON — University of Michigan (Online course) — Data Analysis , Statistics, Probability	Sep 2023

Experience

OFFICE ASSISTANT – Pronet Soluciones – Tijuana, BC Jan 2018 - May 2019

- Management of the administrative logistics of event planning, including marketing, fee collection, and event promotion.
- Use of databases like **Excel** to keep track of attendees and analyze the gathered information.

Languages

Spanish - Native	English - Proficient (TOEFL IBT 111)	Japanese - Intermediate (N3)	French - Beginner (A2)
-------------------------	---------------------------------------------	-------------------------------------	-------------------------------