JOSÉ MANUEL CARPINTEYRO SÁNCHEZ

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MEXICAN WITH 10+ YEARS OF EXPERIENCE, PASSIONATE ABOUT TECHNOLOGY, AI & DATA SCIENCE.

STRENGTHS

- Creative
- Analytical
- Autodidact
- Innovative

LANGUAGES

- Spanish: Native
- English: Fluent
- French: Basic

OTHER EXPERIENCE

- IoT projects integrating Deep Learning (Raspberry pi & Arduino & Python)
- Mentoring in Aletia (AI education) (2022 – Today)

DATA SCIENCE SKILLS

Development:
- Machine learning models such as linear regression, logistic regression, random forest, naive bayes, k-means, KNN, DT, SVM, ensamble models.
- Deep learning for solving CV problems. Architectures like fully connected neural networks, convolutional neural networks, and generative adversarial networks.

Deployment:
- Cloud computing (GCP, IBM Cloud Pak for Data).

SOFTWARE

Tools and frameworks	Languages	
Numpy, pandas, scikit-learn, matplotlib, plotly, jupyter notebook, vscode, opencv, imutils, scrapy	Python, SQL, SAS, VBA-Excel	Advanced
Tensorflow, keras, spark, fastai, vertex ai, bash scripting, google cloud platform, icloudpak, git	R, C++	Intermediate
Selenium, docker, kubernetes	C#, Hive, Impala	Basic

ACADEMIC TRAINING

Data Science ----- [2021-2025]
UVM University --- Engineering Degree

Data sci. management - [2021]
ITESM - Diplomate

Machine learning ------ [2020]
LSE - Course

Quantum comp. -- [2020-2021]
IBM/QxQ/MIT - Course

Deep learning ----------- [2020]
MIT - Course

Risk management ------- [2019]
Circulo de crédito - Course

Statistics & Data sci. -- [2019]
MIT - MicroMaster

SAS for analytics ------- [2018]
SAS - Course

Data sci. for business -- [2017]
ITESM - Diplomate

French as 2nd lang. ---- [2017]
IPN - Course

Business english -- [2016-2017]
Malvern House - Course (Dublin)

Solvency II (R) ------------ [2014]
AMAT - Course

Foxpro --------------------- [2013]
IMAM - Diplomate

Excel & Macros ---------- [2012]
IMAM - Diplomate

Actuary ------------ [2009-2015]
Universidad Marista - BSc Degree

EXPERIENCE

[08/22 - Today] - Tata Consultancy Services - Data Scientist
- Help our partners achieve their goals through technological strategies.

[08/21 - 08/22] - Shasa - Data Science senior manager
- To come upon business cases where data science may have a huge impact.
- To structure, develop and manage DS projects for digital transformation.

[04/19 - 08/21] - Coppel - Data science manager
- To coordinate the different tasks of the team that include researching and creating effective methods to collect data, analyzing information, and recommending solutions to the business.
- Estimate monetary benefit of the developed data science projects.
- Development of credit risk models.
- Customer lifetime value design and calculation.

[08/17 - 04/19] - Santander - Data science manager
- Development of regulatory credit risk models (PD, EAD, LGD) IRB & IFRS (Individuals and Companies).
- Development of stress test models.
- Regulatory documentation and follow up on audits.

[10/15 - 09/16] - Metlife - Senior Actuary
- To provide subscribers mathematical tools for risk measuring.
- Pricing models development (Solvency II).
- Embedded value and reserves (RRC & IBNR) calculation.

[10/13 - 10/15] - GNP - Head of department
- Insurance products development (gather information, product definition, risk measuring and validation of legal implications)
- Pricing models development & Technical notes (Solvency II)

[04/12 - 10/13] - GNP - Data analyst
- Tool (programs) development (for risk measurement and pricing)
- To transform strategies into tables or parameters to deploy them.

[06/11 - 04/12] - GNP - Consultánt
- Operational KPI's and dashboards.
- To recommend strategies to improve quality and reduce execution times.

TECHNOLOGY | RETAIL | BANKING | INSURANCE