**Virgilio Madrid**

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# Professional Summary

Ingenious data analyst with over 7 years of experience in project management and data analysis, specializing in the implementation of technology solutions and operational process improvements. Adept at automating workflows and optimizing processes in various industries including retail, logistics, finance, and manufacturing. Recently developed a machine learning model for customer segmentation to enhance marketing campaign efficiency.

# Work Experience

**Artificial Intelligence and Automation Consultant**

VAM | Sep 2024 - Present

* Developed AI sales agent using RAG and vector databases for product recommendations.
* Created AI content generation tool including posts and images.
* Implemented predictive maintenance dashboards using Python and Streamlit.

**Maintenance Coordinator**

Embotelladora de Sula (PepsiCo), Honduras | Aug 2021 - Mar 2024

* Achieved budget savings over 5% through cost-saving projects.
* Led a team of 40+ in industrial maintenance.
* Automated report generation using Python, Excel, and Power BI.

**Maintenance Planner**

Embotelladora de Sula (PepsiCo), Honduras | Jun 2020 - Aug 2021

* Reduced downtime by optimizing maintenance plans with Python predictive models.
* Optimized spare parts inventory using statistical tools and Excel.

**Executive Trainee**

Embotelladora de Sula (PepsiCo), Honduras | Aug 2017 - Jun 2020

* Automated processes reducing report generation time by over 90%.

# Education

**Master in Artificial Intelligence**

Universitat Politecnica Catalunya, Spain | Jun 2021 - Jun 2022

Neural Networks, NLP, Python

**MBA in Finance**

Universidad Tecnológica Centroamericana, Honduras | Jun 2018 - Jun 2020

Statistics, Leadership

**Mechatronics Engineering**

Universidad Tecnológica Centroamericana, Honduras | Jun 2011 - Sep 2016

Process Automation, C++

# Skills

**Languages**

Spanish (Native), English (C1)

**Data Management**

Google Sheets, Excel, SQL

**CRM Tools**

HubSpot, Airtable

**Data Science & AI**

Python, Machine Learning, NLP, TensorFlow

**Report Generation**

Power BI, Looker, Python (Matplotlib, Dash)

**Cloud Services**

AWS, Azure, GCP