

# Douglas Fabian Paris Merin

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## SUMMARY

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Data professional with 5+ years of experience in analytics, forecasting, modeling and AI-driven analytics across payments and financial services. Experienced in SQL, Python, PowerBI, machine learning, cloud-based pipelines (Google Cloud, Firebase, APIs) and hands-on projects in AI automation and NLP, as well as guiding analysts and communicating insights to business stakeholders. Currently pursuing an MSc in Computer Science (Georgia Tech, 2026) to deepen expertise in Data Science and Machine Learning.

## EXPERIENCE

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### Sr. Business Intelligence

#### Kushki

June 2023 - Present, Guadalajara, Jalisco.

- Designed and validated a custom forecasting framework (SQL, PowerBI) for volumes, revenue, and costs, outperforming ARIMA/SARIMA baselines.
- Built models for commercial KPIs and applied anomaly detection to identify deviations in trends and volumes.
- Conducted ad-hoc performance analysis (take rate, weekly trends, anomaly detection, post-mortems).
- Automated reporting workflows using n8n and LLMs, enhancing monitoring efficiency.
- Google Cloud based web app for internal data consumption, including AI agents.

### Data Analyst

#### Billpocket

July 2022 - June 2023, Guadalajara, Jalisco.

- Built dashboards and models (PowerBI, SQL, Python) to support data-driven decision-making.
- APIs and services integrations (Shiny R, PowerBI Service) for real-time data pipelines.
- Conducted exploratory analysis for revenue optimization and churn prediction.

### Financial Analyst

#### Grupo Mega

June 2019 - July 2022, Guadalajara, Jalisco.

- Responsible of loan portfolio data analysis and visualizations, reporting this to investors, funders and board of directors.
- Management of liabilities, risks, derivatives, due diligence and KYCs, calculation of provisions for credit risks, portfolio stress tests, among others.

## EDUCATION

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### MSc, Computer Science

Georgia Institute of Technology • Expected 2027

### Bachelor's degree, Financial engineering

ITESO Universidad Jesuita de Guadalajara • 2021

### Tecnologo , Control Automatico e Instrumentacion

Centro de Enseñanza Técnica Industrial • 2017

## CERTIFICATIONS

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### C1 English Certificate (TOEFL iBT)

ETS • 2026

### Natural Language Processing in TensorFlow

DeepLearning.AI • 2022

### Neural Networks and Deep Learning

DeepLearning.AI • 2021

### Hadoop Platform and Application Framework

UC San Diego • 2021

## PROJECTS

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### Bayesian Forecast for the 2026 World Cup (2026)

Bayesian modeling and montecarlo simulation to estimate Mexico's stage-by-stage advancement probabilities and visualize uncertainty-driven tournament paths.

### Accounting Firm AI Assistant (2024)

Custom GPT assistant fine-tuned with Mexican law to automate FAQs and compliance checks via WhatsApp/Google Cloud.

### XEMM (2021)

Cross-Exchange Market-Maker (XEMM) algorithm and backtest, using BTC/EUR assets listed in two blockchain-based exchanges, BitFinex and Kraken.

## SKILLS

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Hard skills include, but not limited to Python, R, SQL, machine learning, NLP, data analysis, data visualization, Excel, Tensorflow, PowerBI, Looker, Tableau, DAX, Google Cloud, n8n, Gen-AI.

Soft skills include, but not limited to teamwork, resilience, communication, problem solving, adaptability, critical thinking, empathy.