DIEGO ORTEGA CASTELLANOS

📍 Monterrey, N.L.   ✉ diego571106@hotmail.com   📞 55 7327 5083   in Diego Ortega ↗   💼 Portafolio ↗

Education

Tecnológico de Monterrey (ITESM)   *Monterrey, N.L.*
B.Sc. in Data Science and Mathematics, GPA: 91.2/100   *Jul 2021 – Jul 2025*

ESEI International Business School Barcelona   *Barcelona, ESP*
Diploma in Digital Transformation, Business Management, Cybersecurity & AI   *Sept 2024 – Dec 2024*

Experience

Software Engineering Intern   *Mexico City, MX*
Iberia Group Engineering & Consulting Mexico   *Jun 2023 – Jan 2024*

- Created interactive visualizations using Power BI to analyze company sales data.
- Provided ideas and support in the development of mobile applications with React Native for iOS and Android.
- Developed a complementary website in HTML for the agricultural sector mobile application.
- Conducted financial analysis and accounting estimates using Excel.

Projects

iOS Calorie Tracking App Development - Kalo (Personal Project)   *Jan 2025 - Present*

- Developed a full-featured nutrition tracking app with SwiftUI and Firebase for cross-device synchronization.
- Implemented personalized caloric goal calculations with a food search system using the Edamam API.
- Streamlined user onboarding with automated caloric recommendations, reducing user setup time by 40%.
- Integrated AI chatbot using Gemini API for personalized nutritional guidance and meal recommendations.

Stock Market Prediction - Research Project (ITESM)   *Jan 2023 - Mar 2023*

- Developed an LSTM model to predict stock prices with 10% higher accuracy than traditional models.
- Reduced model training time by 20% through efficient hyperparameter optimization techniques.
- Decreased significant overfitting by 15% using optimized dropout layers, improving model reliability.
- Gained valuable experience in time series analysis and advanced machine learning optimization techniques.

Searching for a Rising Star - Scientometrics Directorate (ITESM)   *Aug 2022 - Oct 2022*

- Identified five high-potential emerging authors with 90% accuracy using advanced trend analysis.
- Reduced overall processing time by 20% through efficient data cleaning optimization techniques.
- Implemented advanced predictive metrics to significantly enhance author recruitment strategies.

Skills

Technical: Deep Learning, SQL and NoSQL, Machine Learning, Time Series Forecasting, Big Data.
Soft: Project Management, Teamwork, Adaptability, Organization, Problem Solving, Leadership.
Software: Python, Swift, R, C++, HTML, ReactNative, Power BI, Node.js, Tableau, Excel, Git, Docker.
Languages: Spanish (C2), English (B2+ DET Certified, 115/160).

Awards and Recognitions

Recognition for the Mobile App Concept for Real Madrid Official Store   *View ↗*
Issued by LK&JLK BARCELONA S.L. – Dec 2024

- Formal recognition for my contribution to the development of a Swift mobile application for the Real Madrid Official Store in Barcelona, enhancing its digital presence and customer experience.

Professional Certificate in Data Analysis   *View ↗*
Issued by Google through Coursera – Sept 2024

- Certification in data analysis covering data cleaning, visualization, and modeling using tools such as SQL, R, spreadsheets, and Tableau, developing skills for data-driven decision-making.