

DIEGO ORTEGA CASTELLANOS

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EDUCATION

Tecnológico de Monterrey (ITESM) <i>B.S. in Data Science and Mathematics, GPA: 91.2/100</i>	<i>Monterrey, N.L.</i> <i>Jul 2021 – Jul 2025</i>
ESEI International Business School Barcelona <i>Diploma in Digital Transformation, Business Management, Cybersecurity & AI</i>	<i>Barcelona, ESP</i> <i>Sept 2024 – Dec 2024</i>

EXPERIENCE

IT Manager Intern <i>8alpha.ai</i>	<i>May 2025 – Nov 2025</i>
<ul style="list-style-type: none">Automated processes with n8n and Coda, reducing manual tasks by 100% and improving operational efficiency.Managed complete IT infrastructure: MDM, ABM, networks, and 10+ corporate devices.Participated in the development of a CRM app with Django and Next.js that centralized data management. <p>Technologies: Django, Next.js, n8n, Coda, MDM, Azure.</p>	<i>Remote</i>
Software Engineering Intern <i>Iberia Group Engineering & Consulting Mexico</i>	<i>Jun 2023 – Jan 2024</i>
<ul style="list-style-type: none">Created interactive visualizations using PowerBI to analyze company sales data.Provided ideas and support in the development of a mobile application with ReactNative for iOS and Android.Developed a complementary HTML website for the agricultural sector mobile application. <p>Technologies: PowerBI, Excel, HTML, CSS, ReactNative.</p>	<i>CDMX, MX</i>

PROJECTS

iOS App Development for Calorie Tracking - Kalo (<i>Personal Project</i>)	<i>Jan 2025 - May 2025</i>
<ul style="list-style-type: none">Developed a nutrition tracking app with SwiftUI and Firebase for cross-platform synchronization.Implemented caloric goal calculation and food search with Edamam API.Reduced registration time by 40% through automated nutritional goal configuration.Integrated NutriAI assistant with Gemini API for personalized dietary recommendations.	
Stock Market Prediction - Research Project (<i>ITESM</i>)	<i>Jan 2024 - Mar 2024</i>
<ul style="list-style-type: none">Created an LSTM model to predict stock prices with 10% higher accuracy than traditional models.Reduced training time by 20% through hyperparameter optimization.Decreased overfitting by 15% using dropout layers, improving model reliability.	
Image Classification with CNN – Fashion-MNIST (<i>ITESM</i>)	<i>Aug 2023 - Oct 2023</i>
<ul style="list-style-type: none">Trained a CNN in TensorFlow/Keras to classify 70,000 images from the Fashion-MNIST dataset.Applied normalization, batch normalization, and dropout to improve model generalization.Achieved 91% accuracy in testing, evaluating with confusion matrix and key metrics.	

SKILLS

Technical: Machine Learning, Deep Learning, Time Series Forecasting, Big Data, Data Analysis, APIs.
Programming Languages: Python (Scikit-learn, Pandas, Tensorflow), Swift, JavaScript, SQL.
Frameworks: Next.js, ReactNative, Django.
Software & Tools: Git, Docker, PowerBI, n8n, Excel, Coda, HTML, CSS.
Soft Skills: Teamwork, Adaptability, Problem-solving, Entrepreneurial Initiative.
Languages: Spanish (Native), English (B2+ DET 115/160).

AWARDS & RECOGNITION

400 hrs of Entrepreneurial Experience (<i>ITESM</i>) View	<i>Jul 2025</i>
<ul style="list-style-type: none">Distinction awarded for over 400 hours in innovation projects and entrepreneurial leadership.	
Mobile App Concept for Real Madrid Official Store (<i>LK&JLK Barcelona S.L.</i>) View	<i>Dec 2024</i>
<ul style="list-style-type: none">Recognition for the design and development of a mobile app in Swift to improve customer experience.	