

Diego Rolando Maldonado Acevedo

Software Engineer | AI & Machine Learning

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PROFESSIONAL SUMMARY

Intelligent Systems Engineer specializing in full-stack development with React, Angular, Node.js, and applied AI. Focus on scalable architectures, UX/UI, and intelligent solutions with real impact.

EDUCATION

Universidad Autónoma de San Luis Potosí, Faculty of Engineering | August 2021 – June 2026

Bachelor of Engineering in Intelligent Systems

Relevant Coursework: Web Development, Mobile Development, Artificial Intelligence (Machine Learning)

EXPERIENCE

CANACINTRA SAN LUIS POTOSÍ

Systems Department Intern | February 2026 – August 2026

- Developed a full-stack web platform (React, Node.js) to digitize and manage the end-to-end audit process for the CANACINTRA San Luis Potosí Quality Award.
- Designed and implemented the relational database (MariaDB & Prisma ORM) to dynamically structure evaluation templates and user roles.
- Engineered the algorithm for automatic weighted scoring and built an interactive form builder to customize evaluation criteria.
- Optimized and automated business feedback collection via dynamic web surveys and automated PDF report generation.

PROJECTS

Academic Mobility Management Platform | React, Node.js, Express, PostgreSQL | Jan 2025 – Jun 2026

- Full-stack development (frontend and backend) of a platform to digitize academic exchange processes.
- Designed and implemented a complete authentication and authorization system with session management and roles.
- Built complete CRUD modules for calls for applications, catalogs, profiles, and exchange requests.
- Developed a detailed filter and advanced search system to locate requests, users, and calls for applications.
- Implemented interactive reporting modules in the administrative panel, using filters to generate dynamic visualizations and facilitate decision-making.

Gym Product E-commerce | Angular, Node.js, Express, MongoDB | 2025

- Developed a full-stack e-commerce platform for fitness products.
- Implemented a role-based authentication and session management system with custom views for each user type.
- Built a complete CRUD system for inventory, category, and stock management.
- Developed the purchasing system, catalog, persistent shopping cart, and order processing.
- Designed and implemented an administrative dashboard displaying real-time business metrics.
- Integrated a system of discounts applicable at checkout, with validity and condition validations.

Text Emotion Detection System | Python, DistilBERT, Transformers, NLP | 2025

- Preprocessed and cleaned textual data from the DAIR-AI/Emotion dataset, including tokenization, normalization, and preparation for training.
- Fine-tuned DistilBERT (pre-trained transformer model) to build a 6-category emotion classifier.
- Trained the model and performed prediction tests using sample text inputs to validate accuracy.
- Evaluated performance using classification metrics (accuracy, F1-score) and analyzed the confusion matrix to identify error patterns.

SKILLS AND LANGUAGES

Languages: Spanish, Intermediate English

Programming: JavaScript/TypeScript, Python, PHP, C, Dart, HTML/CSS

Frameworks: React, Angular, Flutter, Node.js/Express, Laravel

Databases: PostgreSQL, MySQL, MongoDB, SQLite

AI/Data: Scikit-Learn, OpenCV, NLP (Transformers), Power BI

Tools: Git, Figma