

# Erick Labrada

## Software Engineer

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### Erick Antonio Labrada Rodríguez

Obregon, Sonora

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## Skills

- **Programming Languages:** Java, Python, JavaScript, TypeScript
  - **Databases:** MySQL, PostgreSQL, MongoDB
  - **Frameworks & Tools:** NestJS, Hugging Face
  - **Languages:** English & Spanish
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## Experience

### Gila Software/ AI Developer Intern

Feb 2025 - May 2025, remote

- Designed and built a multitenant AI communication assistant.
- Developed dynamic data pipelines for query processing using semantic filter extraction, SentenceTransformers and MongoDB.
- Orchestrated the different AI modules flow with a middleware, using intent detection to route the queries and appropriate components.

### Distributed Systems/ GreenHouse Manager

Oct 2024 - Dec 2024, Itson

- Designed a distributed IoT system to collect and stream real-time environmental data from greenhouse sensors.
- Built a secure, modular API backend supporting multi-protocol communication for data ingestion, storage, and external access.
- Created a greenhouse simulation using an ESP32, in order to test the project in the absence of hardware.

### Fundamentals Of AI/ Convolutional Neural Network

Dec 2024 - Itson

- Trained a CNN to classify 4 Pokemons, 3 of them being very similar between each other and achieve an F1 score of 0.63 on a limited dataset.
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## Education

### ITSON/ Bachelor's in Software Engineer

Aug 2021 - May 2025, Obregon, Sonora

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## Contact

GITHUB: <https://github.com/ErickLabrada>

LINKEDIN: <https://www.linkedin.com/in/ericklabrada/>