

Daniel Olivares

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Education

IPN ESCOM

BS, Artificial Intelligence.

Mexico City

December 2025

Experience

DIET IPN

AI Engineering Intern

Mexico City

October 2024 – April 2025

- Developed a Natural Language Processing (NLP) model to classify academic documents, to optimize a company grading System.
- Gathered the documents to train the model, using the CORE API to gather the Academic Documents.
- Searched for Spanish nonacademic documents in platforms like Kaggle.
- Trained the model with 400K documents, achieving an accuracy of 0.99.
- Hosted the model using FASTAPI for consumption on the main webpage, so that It could be used.

Projects

EEG Signal Classification

August 2024- Currently

Currently working on an Inner Speech EEG Signal classifier. Using Digital Signal Processing & Deep Learning. Using Long Short-Term Memory (LSTM) and Convolutional Neural Net (CNN) Architectures.

- Setup all the infrastructure in AzureML for the Training of the Models in a streamlined way to make the training process more efficient and Scalable.
- Setup the project timeline into separable tasks for achieving the end goal.

Certifications

- IBM Machine Learning Specialization (2024) Coursera
- C++ Masterclass: From fundamentals to advanced (2023) Udemy
- Java Masterclass (2022) Udemy

Skills

- Keras/Tensorflow (Advanced)
- Java, C++, Python (Advanced)
- OpenCV (Intermediate)
- FastAPI (Intermediate)
- Pandas/Numpy (Intermediate)
- Azure, SQL (Beginner)