Olver José Arce Limache

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Projects

Personal Project – Demand Forecasting for 45 Walmart Stores   February, 2026
Machine Learning Engineer

- Development of ML pipelines and experiments for demand forecasting using ARIMA and SARIMA models.
- Exploratory analysis and preparation of historical sales data from multiple stores.
- Model evaluation using error metrics for time series.

Stack: Python, Poetry, MLflow, FastAPI, Jupyter, Docker.

Personal Project – Machine Learning Exploration of the Olist Dataset   December, 2025
Machine Learning Engineer

- Development of pipelines and experiments to identify potential ML applications.
- Data extraction, cleaning, and preprocessing from the Olist SQLite database, integrating tables into a final dataset.

Stack: Python, Poetry, Google Cloud Storage, BigQuery, Jupyter.

Personal Project – Recyclable Materials Image Classification   November, 2025
Machine Learning Engineer

- Development of an image classification model using Convolutional Neural Networks (CNN) and Transfer Learning with MobileNetV2.
- Integration and preprocessing of multiple Kaggle datasets, including image resizing and data augmentation.
- Training optimization using batching and prefetching.
- Model evaluation using a confusion matrix and classification report.

Stack: Python, TensorFlow, Jupyter.

Chifa El Mesón Ordering Application (Paid)   December, 2024
Mobile Developer

- Development of a mobile application for menu visualization and food order management for Chifa El Mesón Arica, including integration of payments with Getnet

Stack: Flutter.

Campus Saucache Map System - UTA (Paid)   December, 2024
Full-Stack / Mobile Developer

- Development of frontend, backend, and mobile applications for campus map management at Saucache Campus, including map visualization, place search, and related information display.

Stack: Nest.js, Flutter, Angular, MySQL.

Panic Button Application for a Community Alarm System (Paid)   January 2024
Mobile / Backend Developer

- Development of a mobile panic button application and integration of a notification service for the backend and frontend management applications.

Stack: Flutter, Firebase, Laravel, MySQL.

Integration and deployment of the UTA Master' Program in Education System (Paid)   January 2024
Desarrollador Backend / DevOps

- Development and replacement of third-party services for user authentication, email delivery, and file management with local services on a private VPS.
- Configuration and deployment of system applications on a private VPS server.

Stack: Express.js, MySQL, Docker, Nginx, Linux.

Education

Project Management Institute   January, 2026
PMI Certified Professional in Managing AI (PMI - CPMAI)

FreeCodeCamp   November, 2025
Machine Learning with Python

Udemy   September, 2025
Complete A.I & Machine Learning, Data Science Bootcamp

Project Management Institute   September, 2025
Kick-off Fundamentals of Agile Project Management
Kick-off Fundamentals of Predictive Project Management

OpenCV University   August, 2025
Tensorflow & Keras Bootcamp

CISCO Networking Academy   June, 2025
Introduction to Cybersecurity

University of Tarapacá   January, 2025
Bachelor's Degree in Computer Engineering and Informatics

Technical Skills

- **Languages & Frameworks:** Python, Express.js, NestJS, Flutter, Angular.
- **Machine Learning /AI:** Pandas, NumPy, Matplotlib, Scikit-learn, Seaborn, TensorFlow.
- **Databases & Cloud:** MySQL, Google Cloud Storage, BigQuery.
- **DevOps / Containers:** Docker.

Languages

- **English:** B2
- **Spanish:** Native