CÉSAR NÚÑEZ HUAMÁN

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EDUCATION

The University of Chicago — Chicago, IL
Master of Science in Computational Analysis and Public Policy — June 2026
Awards: Harris Merit Scholarship (2024-2026)

University of the Pacific — Lima, Perú
Bachelor of Science in Economics — March 2018

SKILLS

Technical Languages: Python, R, SQL
Data Analysis and Visualization: Pandas, Numpy, SQLAlchemy, Dash, Altair, Folium, FastAPI, Flask
Machine Learning: Pytorch, Scikit-Learn, TensorFlow
Software & Tools: Git, SQL Databases, CI/CD, Docker, Terraform, AWS

PROFESSIONAL EXPERIENCE

Data, Policy and Innovation Centre (DPIC) — Odisha, India
Data Engineer and Data Science Intern — June - August 2025

- Engineered and deployed a scalable ETL architecture for Odisha State Government's grievance-redressal system, automating ingestion and validation of 1M+ citizen complaints using Python, Docker and Terraform.
- Implemented an asynchronous ETL orchestrator leveraging httpx and asyncio, cutting data extraction time by 75%.
- Designed a modular data architecture integrating OCR extraction, ML categorization, summarization, and automated routing, enabling faster grievance triage and more actionable insights for Odisha's Government leaders.

Videnza Consultores — Lima, Perú
Senior Analyst — July 2020 - August 2024

- Led the design of Peru's Urban Poverty Reduction Strategy, conducting systematic reviews and a PCA of 500K+ household records in Python and R to identify key socioeconomic drivers and guide evidence-based interventions.
- Led the implementation of the Bicentennial Observatory, a repository of 100+ socioeconomic indicators using Python, R, and STATA, improving data accessibility and transparency for evidence-based policymaking.

Peruvian Private Competitiveness Council (CPC) — Lima, Perú
Analyst — July 2019 - June 2020

- Managed annual and quarterly updates of the Regional Public Management Index, producing 17 governance KPIs to evaluate regional and local government performance.
- Developed evidence-based policy recommendations that streamlined infrastructure regulations and expanded housing subsidy programs during the COVID-19 emergency.

AC Pública, APOYO Consultoria's subsidiary — Lima, Perú
Project Assistant — January 2018 - July 2019

- Supported the design and approval of Peru's National Agrarian Innovation Policy and Plan through quantitative and qualitative analysis of survey and census data, aligning policy recommendations with national development goals.
- Led econometric revisions of 12 regional airport plans, improving demand forecasts, ensuring regulatory compliance, and strengthening long-term infrastructure planning.

PROJECT EXPERIENCE

Open Perú *Tools: Python, Pydantic, SQLAlchemy, FastAPI, Svelte* — June 2025 - Present

- Building a platform to track voting records, bills, and party dynamics using publicly available data from Congress and regional governments in Peru to improve political accountability.

Poverty Prediction using Satellital Imagery *Tools: Python, Sklearn, Shapely, Flask, Folium* — April - June 2025

- Build a machine learning model that improves poverty targeting by combining satellite imagery, existing wealth indices, and minimal household survey data to accurately and cost-effectively classify households into poverty categories.

Chicago Crime and Education Dashboard *Tools: Python, Dash, Altair, Shapely, GeoPandas* — January - March 2025

- Built a data pipeline integrating enrollment and dropout data, crime records, and census variables; performed cleaning, transformation and spatial joins to produce a dashboard to visualize cross-neighborhood disparities in Chicago.