

# Diego Avila Saldaña

Bachelor in Mechatronics' Engineer

Lima, Perú



## ABOUT ME

As a Mechatronics Engineer graduate from the Pontificia Universidad Católica del Perú, I've mastered my programming skills in Python, SQL and Azure Cloud Platforms. My passion for programming and machine learning has led me to enhance my skills. I'm eager to contribute my knowledge to a team that values innovation and continuous learning to work towards shared goals and objectives. With a keen interest in programming field and open to learn new tools.

## TECHNICAL KNOWLEDGE

- Python Intermediate , SQL Advanced , NoSQL Advanced
- Azure Intermediate, Git Intermediate
- Quicksight Intermediate
- N8N Automations
- MS Office Professional (Excel Macros - Dynamic Tables)
- C y C++ intermediate

## CREDENTIALS

- DP-900
- Databricks Fundamentals
- Data Analysis with SQL
- Data Engineering and AI with Azure
- Python Data Structures
- Generative AI Fundamentals

## SPECIALIZATION COURSES

### Data Engineering with Azure

Develop skills in designing and implementing Azure pipelines, ETL, Data modelling and Data Warehousing. Proficient in Azure Data Factory, Blob Storage, Databricks, Spark basic, and Synapse Analytics. Also work with generative AI in OpenAi Service. Basic knowledge in DevOps and **Azure ML**.

### Artificial Intelligence applied to industry

Predictive analysis of generated on industrial machines using python leveraging machine learning principles (supervised /unsupervised), data cleaning, and statistical summary.

## WORK EXPERIENCE

### Data Analyst - EQUIP

March 2025 - Now

- Extract, transform, and load (ETL) financial, operational, and suppliers data from Odoo (SQL) and NoSQL sources to update five dashboards in QuickSight, using Python cron jobs and AWS S3 as storage. Ensure continuous monitoring of billing, operations, and commercial performance to provide insights integrated with Github repositories (continuous integration).
- Develop automatic notifications using AI Agents with N8N.
- Improvement of all data orchestrator in python to provide clean and organized data for data analytics.

### Global Mould Design Intern

#### Owens Illinois (OI GMEC Lurín S.R.L)

April 2023 - November 2024

- Developed macros with VBA-ETL automation programs to manage project quality report information. Preparation of monthly reports with python.
- Design and modeling of mould equipment in Creo Parametrics for international team from the United States and Canada.

## LANGUAGE

English · Intermediate

## CONTACT

✉ diego.avila@pucp.edu.pe

☎ +51 991-069-163

in //diego-avila-as

## SOFT SKILLS

- Proactive
- Critical Thinking
- Enthusiastic
- Committed
- Team player

## EXTRACURRICULAR EXPERIENCE

- E-Commerce App using C++/CLI with SQL database in POO course.
- Development of autonomous driving car with CNN in academic course.

## ACADEMIC TRAJECTORY

2018 - 2023

Pontificia Universidad Católica del Perú

Bachelor in Mechatronic Engineering