Paula Robles López

 paumurl   my linkedin   paularobleslopez   [redacted]

Experience

Jul 2023 – Present

Junior Data Scientist at indigitall, Spain
- Engineered scalable **Python-based AI solutions**, strictly enforcing **Gitflow Workflow** to streamline collaboration and ensure code integrity.
- Orchestrated and maintained high-availability production environments using **Kubernetes** and **Google Cloud Platform (GCP)**, enhancing system reliability and scalability.
- Engineered automated **CI/CD pipelines with CircleCI and Argo CD**, resulting in faster deployment cycles and a significant reduction in release errors.
- Developed and optimized robust **API endpoints** to ensure seamless integration between services and support core application functionality.
- Designed efficient database schemas and executed advanced data analysis using **BigQuery, AlloyDB and PostgreSQL**, turning raw data into actionable insights for decision-making.

Oct 2021 – June 2022

Data Analyst Intern at CBGP, Spain
- **Automated** a HISAT2-StringTie pipeline for **transcriptome assembly** using Arabidopsis RNAseq files, in Bash and Python.
- Conducted **differential gene expression data analysis** in Arabidopsis and presented the results using data visualization techniques, in R.

Education

2022 – 2023

MSc in Data Science at Polytechnic University of Madrid, Spain
Specialized in Cloud, Machine Learning, and Data Analysis. Awarded Top 4 Academic Record (2022/23).

2018 – 2022

BSc in Computational Biotechnology at Polytechnic University of Madrid, Spain
Special interest in data mining, machine learning and database management.

Projects

2023 – 2023

MSc thesis about GPT models – at Polytechnic University of Madrid, Spain
Developed a custom GPT chatbot with a Flask REST API, SQLAlchemy, and Waitress for local hosting. Available on GitHub.

Grants

– Collaboration fellowship, 2021/2022
– Best Record Award, 2022/23

Languages

Spanish (native), English (C1 Advanced) and German (basic).

Skills

- Experienced in **Python**, **Git** and **Bash**.
- Comfortable with **R**, **SQL**, **Docker**, **FastAPI**, **Postman** and **LaTeX**.
- Familiar with **Kubernetes**, **GCP**, **Flask**, **HTML** and **CSS**.
- Basic knowledge of **Spark**, **Java** and **JavaScript**.