Paula Robles López

paumurl   my linkedin   paularobleslopez   [redacted]

Experience

Jul 2023 – Present

Junior Data Scientist at indigitall, Spain
- Developed **Python-based AI projects** while adhering to **Gitflow Workflow** for version control.
- Supported and maintained cloud production systems to enhance reliability and scalability, leveraging **Kubernetes** and **Google Cloud Platform (GCP)** tools.
- Implemented and maintained **CI/CD workflows with CircleCI and Argo CD** to optimize deployment processes.
- Created and modified **API endpoints** to support application functionality.
- Designed and managed database schemas, as well as performing data extraction, manipulation, and analysis using **BigQuery and PostgreSQL**.

Oct 2021 – June 2022

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

Education

2022 – 2023

MSc in Data Science at Polytechnic University of Madrid, Spain
Specialized in data processing, cloud infrastructure, statistical data analysis and machine learning. Awarded as one of the top four academic records for the 2022/23 academic year.

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-powered chatbot with a Flask-based REST API, using SQLAlchemy for user management. The assistant is hosted locally with a frontend served by Waitress, ensuring a smooth user experience. 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**.