Sofía Martínez Pastor

Link to my personal page: https://sofiaamartinezz.github.io/

Education/Academic Background

University Extension Diploma in Artificial Intelligence
03/2024 – 07/2024
Scholarship of Samsung Innovation Campus with Polytechnic University of Valencia: 350+ hour training course and final project on Artificial Intelligence.

Computer Engineering Bachelor's Degree
09/2021 - present
Polytechnic University of Valencia

Business Administration and Management Bachelor's Degree
09/2021 – present
Polytechnic University of Valencia

Research Experiences

Automated corruption detection in legal texts using natural language processing. Polytechnic University of Valencia and Samsung Innovation Campus
05/2024 – 07/2024

Non-research Experiences/Work/Volunteering Activities

Design, development and editing of web pages, Universitat Politècnica de Valenica, 06/2024 – 08/2024

- Use of Oracle Apex to develop web apps
- Database management with Oracle SQL
- Coding with CSS, JavaScript and HTML

Active Collaborator, Board of European Students of Technology
10/2022 – 05/2024

- Leader of the IT department in my local group
- Teamwork methodologies such as SCRUM
- Collaborating with companies to provide non-formal education to university students

Technical Skills

- Machine Learning (Advanced)
- Python, Java, C, C++ (Advanced/Intermediate)
- TensorFlow, PyTorch, Keras (Intermediate)
- Data Analysis (Advanced)
- Genetic Algorithms (Intermediate)
- CSS, HTML, JavaScript (Intermediate)

Awards/Honors/Grants/Fellowships

PROMOE Scholarship to study a full semester in Korea University, 02/2025 – 06/2025

ERASMUS Internship to study a full semester in University of Ljubljana, 10/2024 – 02/2025

Publications

1. **Sofía Martínez, María Pérez, Leire Villarroya**. *"Automated corruption detection in legal texts using natural language processing".* Chapter 11 of book: [AI for a Better World](#) Date of publication: 10/2025

Languages

- Spanish - Native
- Valencian – Native
- English – C1
- French – B2