



# Juan José Rosales

## DUAL BACHELOR IN DATA SCIENCE AND ENGINEERING & TELECOMMUNICATIONS ENGINEERING STUDENT

I'm a hard-working, collaborative, and dedicated person with a strong interest in projects that combine technical skills with real-world applications. I'm especially into things like AI, machine learning, communication systems, and making smart decisions with data. Always open to new challenges, collaborations, and learning opportunities.



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### EDUCATION

#### 2022 - PRESENT · UNIVERSIDAD CARLOS III DE MADRID

Dual bachelor in Data Science and Engineering & Telecommunications Engineering student.

- Honors in 5 subjects: Programming, Linear Algebra, Probability and Data Analysis, Calculus I and Automata Theory and Compilers.

#### 2024 - 2025 · GEORGIA INSTITUTE OF TECHNOLOGY

Exchange year as an Electrical Engineer and Computer Science major in USA.

- Honors in 3 subjects: Introduction to Computer Security, Electromagnetic and Microwave Applications and Engineering Optimization.

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### EXPERIENCE

#### 2025 - PRESENT

WEB DEVELOPER - AI STUDENT COLLECTIVE MADRID

- Developing and maintaining the organization's website.
- Collaborating with a small team to improve site functionality and user experience.
- This is a volunteer position as part of a university organization.

#### 2022-2024

VOLUNTEER - DATA SCIENCE GYMKHANA @ UC3M

- Contributed to data science promotion at the pre-university level.
- My role involved collecting, cleaning, and structuring real-world datasets, and designing the associated challenges and documentation.

#### 2022-2024

PRIVATE TUTOR (A-LEVEL MATHEMATICS, PHYSICS AND CHEMISTRY)

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### LANGUAGES

- Spanish | Native
- English | British Council C1 | Advanced
- German | Goethe-Zertifikat B1 | Intermediate

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### SKILLS

**Data Science & Machine Learning:** Python, R, Pandas, NumPy, Scikit-learn, PyTorch, TensorFlow...

**Signal & Image Processing:** SciPy, OpenCV, MATLAB

**Big Data & Databases:** PySpark, SQL

**Web Development (Full-Stack):** HTML, CSS, JavaScript, PHP, Flask

**Networking & Cybersecurity:** Network Protocols (TCP/IP, HTTP), Network Analysis (Wireshark), Cybersecurity Concepts...

**Low-Level Computing & Hardware:** C, Java, PyCUDA, VHDL