# Álvaro Estévez Rodríguez



#### **TELECOMMUNICATIONS ENGINEERING STUDENT**

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I am in my last year of **Telecommunications Engineering** at Universidad Politécnica de Madrid. I have a strong interest in telecommunications technology and systems, and I am always looking to expand my knowledge in this area and apply it to real-world challenges.

## **EDUCATION**

## **BACHELOR IN TELECOMMUNICATIONS TECHNOLOGIES ENGINEERING**

Sep 2020 - July 2025

**♥** Universidad Politécnica de Madrid | Among the top engineering universities of Spain

- · Gained proficiency in programming languages including Java, JavaScript, HTML, Python, React, ReactNative and C.
- · Learned about operating systems, databases, cybersecurity and wireless communications technologies.

# **RELEVANT PROJECTS**

#### XFSC CATALOG: SCALABLE GRAPH DATABASE SOLUTION

Dec 2024

- Awarded the GAIA-X Spain Hackathon Prize of 2000€ for innovation and technical excellence in designing this solution.
- Developed a scalable system for managing specific metadata using Neo4j for graph-based data storage and MongoDB for document handling.
- Designed and implemented workflows with FastAPI and Mage AI, automating data pipelines.
- Utilized **Docker Compose** for modular deployment, enhancing system scalability and usability.

## **BUILDING MY PERSONAL WEBSITE**

October 2024

- Designed and developed a **Personal Website** to showcase projects and technical findings.
- Mastered **HTML** and **CSS** to create a responsive and visually layout, ensuring an optimal user experience across devices.
- Implemented **GitHub Actions** for automated deployment, allowing for seamless updates.
- Documented the challenges faced and solutions implemented, reinforcing my problem-solving skills and adaptability in web development.

CAR REVIEW WEBSITE Feb 2024

- Designed and developed a responsive website where users could post detailed and categorized reviews about their cars.
- Programmed both the backend and frontend, integrating a MongoDB database to store and manage data efficiently.
- Implemented essential features like user account creation, review submission, and a dynamic car rating system.
- Utilized HTML, CSS, JavaScript, and Node.js to ensure robust functionality and a seamless user experience.

## LANGUAGES

Spanish (Native), English (Fluent), and German (Understanding)

#### SKILLS

Programming Languages: Python, JavaScript, HTML, CSS, React, ReactNative, Node.js

Tools & Technologies: Git, GitHub, Docker, FastAPI, MongoDB, Neo4j, Mage AI, Postman

Soft Skills: Problem-Solving, Public Speaking, Time Management, Teamwork, Self-Learning, Adaptability

# **CERTIFICATIONS**

Qualcomm 5G Introductory-Level Certificate

May 2024

• Covered key aspects of **5G** technology and its applications.