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.