JON IRURETA BARRENA

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EDUCATION

Department of Computer Science, UPV/EHU Donostia, Spain
PhD in Language Analysis and Processing 2025 - *ongoing*

Department of Computer Science, UPV/EHU Donostia, Spain
MSc in Computational Engineering and Intelligent Systems 2023 - 2024
- Thesis: On the Usage of Joint Latent Representations and Knowledge Distillation for Efficient Vertical Federated Learning.

Technical Faculty of IT and Design, Aalborg University Aalborg, Denmark
BSc in Electronic Systems 2022 - 2023

Mondragon Polytechnic School Arrasate, Spain
BE in Industrial Electronics Engineering 2019-2023
- Thesis: Development of an edge-to-cloud-continuum platform for offloading computationally intensive tasks from low performance devices.

PUBLICATIONS

1. **Jon Irureta**, Jon Imaz, Aizea Lojo, Javier Fernandez-Marques, Iñigo Perona, Marco González. Towards Active Participant Centric Vertical Federated Learning: Some Representations May Be All You Need. *Knowledge-Based Systems*, 2026.

2. **Jon Irureta**, Gorka Azkune, Jon Imaz, Aizea Lojo, Javier Fernandez-Marques. Mixture of Predefined Experts: Maximizing Data Usage on Vertical Federated Learning. *arXiv*, 2026.

PROJECTS

Collision Avoidance System for Mobile Robots Based on Predictive Models.
Semester project at Aalborg University 2022.08 - 2023.02

INTERNSHIPS

Ikerlan Technology Research Centre | Arrasate, Spain 2024.09 - *ongoing*
- Research intern working on Vertical Federated Learning.

Ikerlan Technology Research Centre | Arrasate, Spain 2023.10 - 2024.09
- Developed the master's thesis on Vertical Federated Learning.

Ikerlan Technology Research Centre | Arrasate, Spain 2023.02 - 2023.07
- Developed the bachelor's thesis.

AWARDS AND HONORS

- **UPV/EHU "Attracting Talent" Grant (Full Scholarship)**, UPV/EHU 2023
- **Best student project from the polytechnic university of MU**, PBL-Day 2022.03
- **Graduated With Honors,** Ipintza High School 2019

SKILLS

Languages: Basque (Native-EGA), Spanish (Native), English (CAE), French (DELF B1).
Programming: Python, R, MATLAB.