

# JON IRURETA BARRENA

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EDUCATION	<b>Department of Computer Science, UPV/EHU</b> <i>PhD in Language Analysis and Processing</i>	Donostia, Spain 2025 - ongoing
	<b>Department of Computer Science, UPV/EHU</b> <i>MSc in Computational Engineering and Intelligent Systems</i>	Donostia, Spain 2023 - 2024
	• Thesis: On the Usage of Joint Latent Representations and Knowledge Distillation for Efficient Vertical Federated Learning.	
	<b>Technical Faculty of IT and Design, Aalborg University</b> <i>BSc in Electronic Systems</i>	Aalborg, Denmark 2022 - 2023
	<b>Mondragon Polytechnic School</b> <i>BE in Industrial Electronics Engineering</i>	Arrasate, Spain 2019-2023
	• Thesis: Development of an edge-to-cloud-continuum platform for offloading computationally intensive tasks from low performance devices.	
PUBLICATIONS	1. <b>Jon Irureta</b> , 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. <i>Knowledge-Based Systems</i> , 2026. 2. <b>Jon Irureta</b> , Gorka Azkune, Jon Imaz, Aizea Lojo, Javier Fernandez-Marques. Mixture of Predefined Experts: Maximizing Data Usage on Vertical Federated Learning. <i>arXiv</i> , 2026.	
PROJECTS	<b>Collision Avoidance System for Mobile Robots Based on Predictive Models.</b> <i>Semester project at Aalborg University</i>	2022.08 - 2023.02
INTERNSHIPS	<b>Ikerlan Technology Research Centre</b>   Arrasate, Spain • Research intern working on Vertical Federated Learning.	2024.09 - ongoing
	<b>Ikerlan Technology Research Centre</b>   Arrasate, Spain • Developed the master's thesis on Vertical Federated Learning.	2023.10 - 2024.09
	<b>Ikerlan Technology Research Centre</b>   Arrasate, Spain • Developed the bachelor's thesis.	2023.02 - 2023.07
AWARDS AND HONORS	• UPV/EHU "Attracting Talent" Grant (Full Scholarship), UPV/EHU • Best student project from the polytechnic university of MU, PBL-Day • Graduated With Honors, Ipintza High School	2023 2022.03 2019
SKILLS	<b>Languages:</b> Basque (Native-EGA), Spanish (Native), English (CAE), French (DELF B1). <b>Programming:</b> Python, R, MATLAB.	