

Pedro Fernandes

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EDUCATION

Technological University Dublin

B.S. in Computer Science

Dublin, Ireland

Expected Graduation, May 2027

- **Current GPA/Classification:** First Class Honours (1.1).
- **Relevant Coursework:** Algorithms and Data Structures, Object-Oriented Programming, Software Engineering, Artificial Intelligence, Databases, Web Development, Operating Systems, Machine Learning, Mobile Software Development.

Universidade Federal do Ceará

LLB - Bachelor of Laws

Fortaleza, Brazil

Jan 2016 – Oct 2021

- **GPA:** 9.16/10.00

EXPERIENCE

SAP

Software Development Intern

Dublin, Ireland

Feb 2026 – Aug 2026

- Awarded SAP Spotlight and Celebrate Awards (2026) from management and peers for relevant team contributions.
- Designed and delivered end-to-end Java features for SAP Analytics Cloud, used by over 10,000 enterprise customers.
- Developed and maintained automated Playwright end-to-end tests, improving test coverage across features.
- Prototyped an AI agent chat interface for Data Analyzer, enabling natural language interaction with analytical queries.
- Delivered changes using Git/Gerrit for version control and code review, with Jenkins and Maven in a CI/CD pipeline.
- Debugged and fixed backend data-retrieval issues across three database backends, improving accuracy of results.
- Integrated features across the full stack - data processing, configuration, UI menu system, and feature flags.
- Investigated a customer request to load full datasets rather than lazy-loading in pages, assessing feasibility at scale and recommending an approach backed by a proof-of-concept.
- Presented feature work to 100+ developers, engineering managers and leads; mentored two incoming interns.

Technological University Dublin

Peer Mentor & Student Ambassador

Dublin, Ireland

Sep 2024 – Current

- Mentored students through academic difficulties, and represented TU Dublin at Induction and Orientation events.

Gotham Café

Manager

Dublin, Ireland

Mar 2022 - Current

- Led a floor team in a high-volume environment, increasing average tips by 40% and customer satisfaction by 20%.

PROJECTS

PortAventura Theme Park Planner – [Link to Project](#)

Personal Project

Dublin, Ireland

Jun 2026 - Current

- Python/Streamlit web app turning a plain-language request into an ordered ride schedule: an LLM extracts constraints such as arrival time, rider heights and rides to avoid. Achieved 80% accuracy across 25 hand-written test cases.
- Trained a machine learning model (LightGBM) on 1.3M rows to predict queue waits: 9.89min mean error vs 11.49 for a historical-average baseline. Combined with a zone-by-zone routing approach, this cut walking time by 34%.

Library Reservation System – [Link to Project](#)

Individual Project

Dublin, Ireland

Sep 2024 – Dec 2024

- Developed a full-stack library management web application using PHP and MySQL, enabling users to register, log in, search/filter books, and reserve available books with session-based authentication and server-side validation.

ACTIVITIES & LEADERSHIP

Leading Ireland's Future Together (LIFT)

Facilitator

Dublin, Ireland

Sep 2024 – Current

- Led weekly round-table sessions helping peers explore and apply Ireland's top 8 leadership values.

Google Code Retreat Workshop

Selected Participant

Dublin, Ireland

April 25th, 2025

- Software engineering workshop focused on pair programming and problem-solving, with engineers from Google IE.

CERTIFICATIONS & SKILLS

Certifications: SAP Certified - Generative AI Developer.

Programming & Tools: Python, C, Java, PHP, MySQL, HTML/CSS, JavaScript, Playwright, Jenkins, Gerrit, Cypress, Git, Maven.