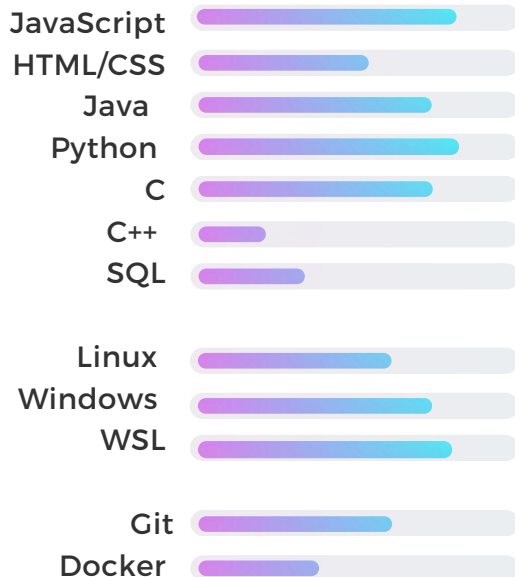# INÊS CADETE

COMPUTER SCIENCE AND ENGINEERING STUDENT

I am a driven and ambitious student of Computer Science and Engineering at IST. My passion for technology is complemented by an interest in management and consulting, leading me to the ISCTE and AESE summer school. There, I developed skills in programming, problem-solving, and strategic decision-making.

Lisbon, Portugal | 21 years

PORTEFOLIO

Inês Cadete Official Website

SKILLS

- JavaScript
- HTML/CSS
- Java
- Python
- C
- C++
- SQL

- Linux
- Windows
- WSL

- Git
- Docker

CERTIFICATIONS

- **AESE- Business School**
  Summer School- 2023

- **Cambridge University English**
  Proficiency (C2)

- **Piano- Conservatory 3rd degree**
  3rd degree in piano and music theory

LÍNGUAS

- English
- Portuguese (native)
- Spanish (basic)

INTERESSES

- Futsal (affiliated with FPF)
- Instrumentos musicais
- Touch Typing

EDUCATION

Instituto Superior Técnico (2021-present)
Bachelor in Computer Science and Engineering

ISCTE-Sintra (2022-2023)
Bachelor in Management and Digital Technologies (1 year)

Escola Secundária Quinta do Marquês
Academic Merit Award. Averaged 19.2/20

PROJECTS

Excel-type backend logic

Developed a Java-based spreadsheet application inspired by Microsoft Excel, implementing key OOP principles and the "Observer" design pattern to manage cell dependencies. The project involved data manipulation, arithmetic operations, and UML-based system modeling.

Multiple Subscription Key-Value Store (Client-Server in Operating Systems)

Designed and implemented IST-KVS, a parallelized key-value storage system using hash tables, synchronization mechanisms, and process-based backups. Extended it with a server-client API, enabling real-time monitoring through IPC, multi-threading, and a subscription-based model.

Typing Website

Developed a minimalist touch typing website focused on tracking user input and measuring typing speed. Built using HTML, CSS, and JavaScript, the site features a clean interface and interactive results page, with potential for future enhancements in functionality and performance.

Public Transportation Management System

Developed in C, this system allows users to manage lines, stops, and links with basic data manipulation using dynamic structures like linked lists. Extended the system to support advanced memory management and additional features such as removing lines and stops for enhanced functionality.

VOLUNTEERING

- **World Youth Day Lisbon 2023- Assistant**
  Contributed to event organization and performed various tasks, working collaboratively within a team.

CONTACTS

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