











Diogo Costa e Silva

Curriculum Vitae

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EDUCAÇÃO

Integrated Master's Degree in Information Systems Engineering and Management

University of Minho

Guimarães, Portugal

2016 - 2023

High school

Escola Portuguesa de Moçambique - CELP

Maputo, Mozambique

2012 - 2016

MY PROFILE

I am a 25-year-old student born in Braga, Portugal, currently finishing the Masters degree in Information Systems Engineering and Management in University of Minho.

I consider myself an entrepreneur, always eager to take on new projects, communicative and with a team spirit.

Furthermore, I adapt to changes and new realities with commitment, optimism and responsibility.

PROFESSIONAL INTERESTS



Data Science



Machine Learning



Project Management



Web Development

KNOWLEDGE AREAS

Data Science and Artificial Intelligence

Application of the CRISP-DM methodology in Data Mining projects; Use of virtual environments with Anaconda and creation of notebooks with Jupiter and Google Colab.

Extraction, Analysis and Data Processing

Talend O.S.; Python (numPy, pandas, scikit-learn); R (dplyr, tidyverse)

Data Visualization

Tableau; Python (Matplotlib, seaborn); R (ggplot2)

Modeling and Evaluation

Python (scikit-learn, statsmodels); R (caret)

Databases

Knowledge about the implementation and management of Relational (MySQL) and Non-Relational (MongoDB) Databases.

IDIOMAS

Portuguese (Native)

Reading Comprehension Writing



English

Reading Comprehension Writing



Spanish

Reading Comprehension Writing



SPORTING ROUTE



Swimming
Sporting Clube de Braga
2006 - 2011



Football
Academia de Futebol Bragafut
2008 - 2012

Business Intelligence

Ability to analyze data relating to business processes and specific indicators of a given organization, susceptible of being transformed into relevant information for top management, so that the decision-making process becomes more accessible, reasoned and fluid, adding value to companies.

Project Management

During my university career I gained experience in this area with the various group projects carried out. I fully understand the importance of good planning in the design of a project, with the need for continuous management and monitoring throughout its development combined with a motivational leadership that seeks high levels of effectiveness and efficiency.

Web Development

I have skills in developing websites and web apps using front-end (HTML, CSS, JavaScript and React) and back-end (Node.js) languages and frameworks.

TECHNICAL SKILLS

Python	<div><div></div><div></div><div></div><div></div><div></div></div>	MongoDB	<div><div></div><div></div><div></div><div></div><div></div></div>
R	<div><div></div><div></div><div></div><div></div><div></div></div>	MySQL	<div><div></div><div></div><div></div><div></div><div></div></div>
Talend O.S.	<div><div></div><div></div><div></div><div></div><div></div></div>	Proj Management	<div><div></div><div></div><div></div><div></div><div></div></div>
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EXPERIÊNCIA PROFISSIONAL

Researcher with academic scholarship in the Rev@Construction project
University of Minho - Guimarães, Portugal
fevereiro 2022 - junho 2023

In this project, I was responsible for the design and development of a road pavement monitoring system using Big Data technologies such as Hadoop, Spark and Delta Lake. In this project I also developed the data pipeline from its ingestion into the system to the creation of historical analyses.