LUCAS GOLOBOVANTE

SUMMARY

Final-year Computer Science student at ISEC, focusing on Data Science and Artificial Intelligence. I possess practical experience in developing Deep Learning and Computer Vision models, along with solid knowledge in data analysis using Power BI and SQL. Seeking a curricular internship to join dynamic teams, applying my technical expertise to solve challenges and contribute to the organization's technological innovation.

I stand out for my ability to work both in teams and individually, being organized and motivated by new challenges and continuous learning.

EDUCATION

BSc in Computer Science

Polytechnic University of Coimbra

09/2023 - Present | Coimbra, Portugal

- Current Average: 14/20
- Final-year student in the Information Systems branch, focusing on the complete data lifecycle: from ingestion and modeling in relational databases (Oracle/SQL) to transformation into intelligence via Machine Learning and Business Intelligence. Specialized in system architectures and business process analysis, developing scalable solutions integrating modern technologies like Python, C++, and data visualization frameworks.

Secondary Education – Sciences and Technologies

Escola Secundária da Maia

09/2020 - 06/2023 | Maia, Porto

- Final grade: 17/20

Basic Education

Luanda International School
Colégio Angolano de Talatona – Cambridge

TECHNICAL SKILLS

- **Programming Languages:** Python, C, C#, C++, SQL (Oracle/PLSQL), Java, MATLAB, Assembly
- **Data Science & AI:** Machine Learning (Pandas, Scikit-learn, NumPy, Seaborn), Deep Learning
- **Data Visualization & BI:** Power BI, Data warehousing
- **Web Development:** React.js, JavaScript, HTML, CSS
- **Systems & Tools:** Linux, GitHub, VS Code

ACADEMIC PROJECTS

Machine Learning Model for Recycling

Developed a Computer Vision system based on Deep Learning for the automatic classification of recyclable waste. Utilized Transfer Learning (MobileNetV2) and hyperparameter optimization via Swarm Intelligence (GWO), featuring a Web interface for real-time usage. Achieved 95% final accuracy in testing.

VendingPLUS Logistics Management System

Designed the server architecture and business logic using Oracle SQL and PL/SQL. Implemented Stored Procedures, Triggers, and complex functions for stock automation, route optimization, and data integrity.

Web Data Integration System

Developed an ETL solution using Java and Regular Expressions to extract and unify data from heterogeneous sources. Implemented data validation with XML/XSD and dynamic report generation via XSLT and XQuery.

Autonomous Taxi Fleet Simulation

Simulated an autonomous taxi management platform developed in C for Linux/UNIX environments. Key Concepts: Named pipes, Anonymous pipes, Threads, Fork + Exec.

Business Intelligence System - Port of Figueira da Foz

Developed a Business Intelligence (BI) system for the Administration of the Port of Figueira da Foz. Transformed dispersed operational data into strategic information for decision-making (Flow: CSV/MySQL -> ETL -> SQL Server -> Power BI).

Garden Ecosystem Simulator (C++)

Developed a console-based ecosystem simulator focused on the practical application of Object-Oriented Programming in C++. Utilized inheritance, polymorphism, memory management and a command interpreter.

LANGUAGES

- Portuguese: Native
- English: Advanced (C1)

CONTACT

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