

# PEDRO RODRIGUES

## ► EDUCATION

2020 - 2024

### DEGREE - COMPUTER ENGINEERING

Instituto Politécnico de Bragança

- UC Student Fundamentals of AWS Cloud Computing

2017 - 2020

### SCIENCE AND TECHNOLOGY COURSE

Escola Luciano Cordeiro, Mirandela

## ► EXPERIENCE

September 2023 - September 2024

### MOBILE DEVELOPMENT TRAINEE

Techwelf, Lda. - Bragança

- Internship as a replacement for the usual final course project
- Development of a mobile application for "Integrated Solution for Managing Goods In and Out of Warehouse", developed in React Native, Firebase and integration with Moloni API

## ► PROJECTS

### CookingApp

CookingApp is a dynamic application designed to simplify the often overwhelming task of deciding what to cook. Users can effortlessly save their daily recipes, including photos, ingredients, and preparation methods. With a unique feature that allows users to randomly generate a recipe, CookingApp transforms meal planning into a fun and stress-free experience, making it easier to explore new dishes and enjoy cooking every day.

**Technologies Used:** *React Native, Firebase(Authentication, Firestore, Storage), Expo*

### Streaming App(UWP)

StreamingApp is a Universal Windows Platform (UWP) application designed for users to watch movies and series. We implemented a quiz-like set of questions for users who aren't sure what to watch when it comes to movies or series, which serves as a highlight feature of the app.

**Technologies Used:** *SQLite, RESTful API with MySQL/SQL Server, C#(.NET Framework)*



With a degree in Computer Engineering, I consider that my career has essentially been marked by an attempt to expand my knowledge in the area of computer science, not just limiting myself to what is part of the syllabus.

I consider myself to be a determined person, capable of dealing with and learning from mistakes. Although I have greater knowledge of the languages mentioned below, I am willing and motivated to learn.

## SKILLS

### Programming Languages

Javascript, TypeScript,  
HTML, CSS, C#, Python


### Libraries & Frameworks


React js, React Native,  
Tailwind, .NET


### Tools & Platforms

Git, GitHub, Firebase,  
Figma, Docker

## CONTACTS

 Bragança, Mirandela

 962200271

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 [LinkedIn](#)

 [GitHub](#)

 [Website](#)

## LANGUAGE SKILLS

Portuguese - Native

English - C1

## INTERESTS

Exercise, Tech, Photography

## HotelReserveAI

Developed a machine learning model using Support Vector Machine (SVM) to predict hotel reservation cancellations based on historical booking data. The dataset was preprocessed using Pandas to handle categorical variables and Scikit-learn for data scaling and splitting. Data visualization tools such as Seaborn and Matplotlib were employed to explore correlations and insights within the dataset.

Hyperparameter tuning was conducted using GridSearchCV to optimize the model's performance. The final model was applied to an unlabeled dataset to classify future reservation cancellations, and the results were saved in a CSV file for further analysis.

**Technologies Used:** *Pandas, SVM, Seaborn, Matplotlib, Scikit-learn(StandardScaler, train\_test\_split, GridSearchCV)*

## ► CERTIFICATES

*March 2023*

### PROGRAMMING WITH JAVASCRIPT

Online course authorized by Meta and taught through Coursera

*April 2024*

### NLW UNITE - DEVOPS

Successful completion of Rocketseat's NLW Unite - DevOps course

*April 2024*

### NLW UNITE - REACT NATIVE

Successful completion of Rocketseat's NLW Unite - React Native course

*August 2024*

### CCNAV7: SWITCHING, ROUTING, AND WIRELESS ESSENTIALS

Successfully completed the course through the Cisco Networking Academy program.