Rúben Albuquerque

Front-End Developer

Lisbon, Portugal 926089235 Rúben Albuquerque
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EDUCATION

Instituto Politécnico de Lisboa, ISEL 2024
Master's Degree in Informatics and Multimedia Engineering

Instituto Politécnico de Setubal, ESTB 2021
Degree in Bioinformatics

PROFESSIONAL EXPERIENCE

Computer Engineer: Data Analyst & Front-End Developer 2021
Centro de Medicina Laboratorial Germano de Sousa

- Used Python skills (NumPy, Matplotlib, Pandas) to **extract**, **clean** and **analyze data** from the Watson for Genomics AI platform, resulting in the identification of relevant patterns and insights into platform performance.
- Implemented statistical analysis techniques and created **data visualizations** to effectively communicate findings to stakeholders, contributing to informed decision-making processes about the performance of the Watson for Genomics AI platform.
- Created an interactive and visually interface using **HTML**, **CSS** and **Javascript** for a presentation on the Watson for Genomics AI platform's potential in analyzing genetic variants. Incorporated graphics and design elements to clearly convey advantages of the platform to stakeholders.

PROJECTS

Restaurant website development 2023
Html, Css and Javascript

- Implemented a visually appealing and **user-friendly** website interface, enhancing the overall user experience, allowing users to explore the menu, view the daily specials and access information about the restaurant's location.
- Utilized **responsive design** techniques to optimize the website for various devices and screen sizes, resulting in a 15% decrease in bounce rate.

Image Classification Project with Convolution Neural Networks 2022
Python, Pandas, Numpy, Keras and TensorFlow

- Created and trained convolution neural networks to perform binary and multi-class classification of images taking into account the peculiarities of the Oxford-IIIT Pet Dataset.
- Implemented **data augmentation** techniques to enhance classifier performance and handle image dimension variability, leading to a 15% increase in precision and recall.
- Utilized libraries to **preprocess data**, **develop CNN models**, and assess classifier performance, resulting in a 20% improvement in accuracy compared to previous methods.
- Leveraged functionality of libraries for resizing images to predefined dimensions, ensuring consistent quality across datasets and improving model generalization by 10%.

SKILLS

Web development *(HTML, CSS, React, JavaScript, Tailwind, Bootstrap)*

Data Scientist *(SQL, Python, PySpark, Scikit-learn, TensorFlow, Pandas, NumPy, Matplotlib, Seaborn)*

Outras Skills *(Git, Pytest, Docker, Bash)*

COURSES AND CERTIFICATES

Machine Learning with TensorFlow - FreeCodeCamp 2023

HTML, CSS, and JavaScript for Web Developers - Coursera 2022

Python fundamentals for Data Analysis - Data Science Academy 2021

Python and Django Framework for Beginners - Coursera 2021