Alexandre Estrela

Master's Student in I.T.

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PROFESSIONAL EXPERIENCE

Centro Universitário de Patos — *Software Development Intern*

sep 2024 - moment

- Backend development of an extension system using Django;
- System standardization with Docker and PostgreSQL as the DB;
- Creation of a chat system with WebSocket integration in Django;
- Adjustment of interfaces with JavaScript, Bootstrap, HTML, and CSS.

MAIN PROJECTS

Development of software *Intensio*

jan 2023 - dec 2023

- Use of Python, NumPy, SciPy, and Tkinter libraries;
- Statistical treatment of time series data;
- Creation of graphical interface, installer, and user manual;
- Supervised machine learning modeling.

Decimal to numerical base conversion site

feb 2024 - mar 2024

- Utilized Python and Django library for web development;
- Programmed PostgreSQL as the application's database;
- Created Docker containers and images for the site and database;
- Generated Kubernetes pods to manage containers.

Weak supervision application for labeling toxic tweets

jun 2024 - jul 2024

- Utilized Python and libraries Numpy, Sklearn, Pandas, and Snorkel;
- Performed text data processing and created labeling functions;
- Applied Transformers for enhanced labeling and accuracy;
- Developed a weakly labeled database.

ACADEMIC EDUCATION

Centro Universitário de Patos, Patos-PB — *Bachelor*

feb 2019 - dec 2023

Bachelor's degree in Civil Engineering.

UFRN / Metrópole Digital, Natal-RN — *Master*

feb 2024 - present

Professional Master's degree in Information Technology.

SKILLS

Excel
Power BI
Overleaf
Docker
SQL
HTML/CSS
Javascript
Python
Django
Jupyter
NumPy
Pandas
SciPy
Scikit-learn
TensorFlow

CERTIFICATES

UFRN - Programador WEB

Preditiva - Data Analytics

Preditiva - Microsoft Excel para Análise de Dados

Preditiva - Fundamentos de Data Analytics

Preditiva - Power BI para Análise de Dados

LANGUAGES

(C2) Portuguese
(B1) English