LEONARDO BRUNO SOARES LARA

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WORK EXPERIENCE

ARTIFICIAL INTELLIGENCE DEVELOPER, Capgemini – 09/2019 - Present – Brasília, DF

Artificial Intelligence projects at Client (Bank of Brazil)

Working with Natural Language Processing on RASA Framework (NLU & Core) dealing with Python/Sanic web server asynchronicity, intents and pipelines to control the chatbot flow. Containerizing using Docker. Visualization of chatbot analytics metrics on Jupyter and SOLR/Banana in real time.

Training and deploy of a Classifier Unsupervised Machine Learning model on Scikit-learn library to detect online anomalies on network activity that improved performance of institution's infrastructure and also getting insights for decision-making process.

Data Wrangling on massive datasets using Jupyter (Pandas/Dask) from Oracle DB and IBM DB2 through the manipulation of SQL Queries for creation of Views, creation of topics on KAFKA, aggregations and parsing on SPARK.

COMPUTER VISION ENGINEER, Bug's Life – 10/2019 - Present – Brasília, DF

Working on Bug's Life Application making use of Convolutional Neural Network Object Detection

Deep learning model trained to automatically identify if an insect exists or not in a given image written in Python using some technologies like Jupyter, Fast.AI, PyTorch, CUDA and COCO Dataset also deployed using Flask on Render and Gitlab.

Train a neural network model with new classes in order to take a deeper approach of detection in which the goal is identify the insect's specimen/family/order coming from user interaction with the app. Ongoing processes: Annotation, Labelling, Augmentation, Preprocessing, Hyper-parameter Tuning, Evaluation.

HEAD OF ARTIFICIAL INTELLIGENCE, Advances – 04/2019 - 08/2019 – Brasília, DF

Acting on Deep Learning Beep App Project and Audio Streaming Recognition

Leader Deep Learning Beep App Project on Convolutional Neural Network Object Detection in order to automatic detection of logo/watermark project on smartphone camera using Python, OpenCV, Fast.AI, Pytorch, TensorFlow Lite and Flutter.

Integration of Detection Model with Application (Mobile Android/IOS) and DJango/MongoDB.

Web scraping on Python (BeautifulSoup, Pandas) to find out all kind of information about a lot of TV Stations of Brazil.

COMPUTER PROGRAMMER, Health Department – 04/2011 - 04/2019 – Brasília, DF

The government company takes care of 10 million patients, is highly recognized for its IT solutions in the medical field

Remote (TightVNC) and in person technical support of computers, networks and printers; programming for automation of medical systems; administration of Trakcare Healthcare System

Data treatment of the clinics features on each hospital sector using Python/Pandas, analysis and visualization on Microsoft Power BI getting the performance results and predicting future attendances with Machine Learning.

IT INTERN, Ministry of Foreign Affairs – 08/2013 - 08/2014 – Brasília, DF

The Ministry deals with international affairs for the president and coordinates the embassies

SQL server queries, Java/MS Access in coordination to SQL tables, SQL routines

Responsible for implement a Ticketing System giving 40% more service e performance

Support on Java development

EDUCATION AND CERTIFICATES

2017 **Information Technology Management**, Catholic University of Brasília

Expected 2020 **Artificial Intelligence**, University Centre of Brasília

Deep Learning Specialization – Coursera – Expected 2020
Ansible Essentials: Simplicity in Automation – Udemy – 2019
Building Chatbots in Python – DataCamp – 2019
Artificial Intelligence for Text Processing (NLP) – Fast.AI – 2019
Practical Deep Learning for Coders V3 – Fast.AI – 2019
Querying Data with Transact-SQL – Microsoft – Expected 2019
Principles of Machine Learning: Python Edition – Microsoft – 2019
Essential Math for Machine Learning: Python Edition – Microsoft – 2019
Intro to SQL for Data Science – DataCamp –2019
Importing Data in Python (Part 1) – DataCamp –2019
Python Data Science Toolbox (Part 1 and 2) – DataCamp – 2019
English for Communication – East Coast Language School (Canada) – 2018
Introduction to Data Science – Microsoft – 2018
Analyzing and Visualizing Data wih Power BI – Microsoft – 2018
Introduction to Python for Data Science – Microsoft – 2018
Nanodegree Fundamentos de Data Science I – Udacity – 2018

TECHNICAL SKILLS

(10+ years): Excel Advanced, Service Desk

(7+ years): MySQL, SQL Server, PHP

(3+ years): Python, Pandas, Microsoft Power BI, DAX, Ubuntu, Numpy

(2+ years): Machine Learning, Scikit-learn, Matplotlib, Seaborn+

(1+ years): Deep Learning, TensorFlow, PyTorch, Fastai, Darknet, Flask, Oracle DB

(Studying): Apache Spark, Kafka, Docker, IBM DB2, Ansible, CentOS, Dask

LANGUAGES

English - Advanced

Portuguese - Native