SALMA OUARDI

Data Scientist

Data Scientist specializing in AI and ML, with strong problem-solving skills and a knack for bridging the gap between business and technical needs. Seeking a collaborative team where I can contribute to impactful projects and grow professionally. Passionate about using data science to improve lives.

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Orsay, Ile-de-France, France 📍

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github.com/SalmaOuardi ⭘

EDUCATION

Master of Science, Artificial Intelligence
Paris-Saclay University

09/2022 - Present   *Orsay, Ile-de-France, France*

Master of Engineering, Data and Knowledge
Ecole des Sciences de l'Information

09/2018 - 06/2022   *Rabat, Morocco*

16 MONTHS OF WORK EXPERIENCE

Data Scientist GCP | End of Study Internship (6 mos)
Orange

03/2023 - Present   *Paris, France*

Achievements/Tasks

- Analyzed business context to align data science projects with corporate strategy.
- Delimited data parameters for machine interpretability using data preprocessing techniques.
- Applied ML techniques like Active Learning and Semi-supervised learning, K-means, and Google Cloud APIs for data clustering and labeling.
- Labeled 40000 comments with Active Learning.
- Employed AutoML, BigQuery ML, custom ML, and word2vec for semi-supervised classification on labeled comments.
- Initiated large-scale classification on unlabeled comments for predictive analytics.
- Developed testing protocols for upcoming MLops monitoring implementation.

Contact : EOCK BELINGA Benoit - benoit.eockbelinga@orange.com

Data Engineer | End of Study Internship (6 mos)
Stellantis

03/2022 - 08/2022   *Casablanca, Morocco*

Achievements/Tasks

- Worked on the "Carflow MEA" project to create 4 ETL Pipelines for the supply chain dashboards, which helped lower the latency by 46ms and decrease the failure rate by 82%.

Data Analyst | Internship (2 mos)
ParallelFolio

07/2021 - 09/2021   *Rabat, Morocco*

Achievements/Tasks

- Participated in a project to analyze the data for NOKIA's projects in the MEA region.

ML Engineer (NLP) | Internship (2 mos)
ABRAR Invest

07/2020 - 09/2020   *Casablanca, Morocco*

Achievements/Tasks

- Designed and built a Chatbot for the company's website with the help of NLP and DL.

SKILLS

Programming: Proficient in Python, with experience in Java, R, and Matlab. Git for version control.

Machine Learning & Deep Learning: Experienced with PyTorch, TensorFlow, and various ML algorithms (CNNs, VGG, BERT, Transformers, Resnet).

Natural Language Processing: Skilled in recommender systems, semantic analysis, and speech-to-text.

Data Analysis: Proficient in SQL and Oracle

Cloud Platforms: Familiar with GCP, IBM WATSON, MS Azure, and Docker.

PERSONAL PROJECTS

Bias Mitigation For Age Detection (10/2022 - 11/2022)
- Developed a model to estimate age from images, addressing bias related to age, gender, ethnicity, and facial expression. Techniques used included data augmentation and custom loss functions.

NLP project: Wav2Vec2 with Hugging Face Transformers (01/2023 - 02/2023)
- Fine-tuned a pre-trained Wav2Vec2 model for Automatic Speech Recognition (ASR), achieving a word error rate (WER) of less than 5% on the test sets.

Recommendation System with Pyspark (02/2022 - 03/2022)
- Built a recommendation system using ALS on the MovieLens 100k dataset, providing user-specific recommendations and computing similar items.

CERTIFICATES

IBM Data Science Professional Certificate (10/2021 - 02/2022)

Google Cloud Platform Big Data and Machine Learning (04/2021 - 06/2021)

Natural Language Processing Specialization (DeepLearning.AI) (01/2023 - Present)

LANGUAGES

English
Full Professional Proficiency

French
Full Professional Proficiency

Arabic
Native or Bilingual Proficiency