SOFTWARE ENGINEERING

Yann BEN ABDERRAHMANE

Data Science | Machine and Deep Learning | Data Engineering

- 📍 Location: France, Paris
- 🚩 Nationality: French
- 👤 Civil Status: Single
- 💼 Work Status: **Open to work**
- ☰ Work Preference: 🏠 Hybrid 🏢 Remote 🏢 On-site
- 🌐 Geographic Mobility: 🌍 World-wide
- 👤 Current Position: 📈 **Energy Manager** 🗄 **Data Scientist**

👤 Summary

Hello, I am actively seeking new opportunities in the Data | Dev sector. My academic journey towards a Master's in Artificial Intelligence and Data Science at IA School has given me a robust foundation in fields such as energy, Building Information Modeling & Management (BIM), as well as Architecture, Engineering, and Construction (AEC). I am deeply passionate about harnessing AI to boost energy efficiency and advance BIM and AEC processes. Although I have not worked directly in the banking and finance sectors, I am eager to bring my data expertise to these industries, aiming to contribute to sustainable and innovative practices. I am open to roles in any field where my data skills can be applied to meet new challenges and drive technological progress.

🎓 Education

IA School

🎓 Master of Science - MS, Artificial Intelligence | Big Data | Data Science (Nov 2023 - Oct 2024)

🧮 Mathematics: PCA, Linear Algebra, Multivariate Calculus, time series analysis

💻 Programming: Google Data Studio, Tableau Software/Power BI, MongoDB, Computer Vision, Machine and Deep Learning, Detection and Recognition

🗄 Data: NoSQL Database - Hadoop & Spark, Dashboarding with Python Flask, SQL Project, Spark Big Data, Hadoop, Hive, Pig, Big Data Ecosystem and Azure Certification

🔤 Languages: Introduction to Machine Learning, Basics of deep learning, Techniques in advanced machine learning, Python programming, Flask in Python, Python applications in NLP

💼 Business: Business English Conference, Contract Law, Project Management, Change Management, Mergers & Acquisitions

💡 Cross-disciplinary Courses: Use of blockchain, Design Thinking

Coursera

- Professional Certificate, Meta Back-End Developer (Jul 2023 - Jul 2023)
- Professional Certificate, Database Engineer (Jul 2023 - Jul 2023)
- Mathematics for Machine Learning (Nov 2022 - Dec 2022)

Université Paris-Est Marne-la-Vallée

- Bachelor's degree, Civil Engineering – BIM (Building Information Management) (2018 – 2019)

Golden Collar Institute

- Bachelor's degree, Computer and Information Sciences and Support Services (2017 - 2018)

Université Mouloud Mammeri Tizi-Ouzou

- Bachelor's degree, Mathematics and Computer Science (2016 - 2017)

💼 Experience

Data Scientist | Energy Manager

Datanumia, EDF Group (Oct 2023 - Present)

Energy Management, Energy Transition, DATA Analysis and science: identify optimization opportunities and propose solutions to reduce energy consumption while maintaining comfort and productivity.

Consultant IT

Abylsen (Jun 2023 - Present)

Real Estate Consultant

Bureau Veritas Group (Mar 2023 - Aug 2023)

Real estate expertise and diagnosis related to the aspects of architecture and civil engineering, security, technical aspects, energy, and sustainability of commercial buildings.

BIM Coordinator | Developer

setec nucléaire (Aug 2018 - Jun 2023)

Project: Nuclear Power Plant in UK (HPC HINKLEY POINT C)

Projects

Map AI

A tool to plot numerous addresses and match them with nearby meteorological stations for data collection. It utilizes open-source APIs and trained models for address correction.

Auto Data Analyzer and Classifier for XLSX and CSV Files

The Auto Data Analyzer and Classifier automates data preprocessing, analysis, and classification. It uses advanced machine learning to deliver quick, accurate insights, supporting various data formats. Ideal for research, business, and personal projects, it transforms raw data into actionable information.

Pdf AI

Create a static web interface for interacting with PDFs, utilizing Python algorithms with GPT from Hugging Face and LLMs

Energy Predictor

A standalone python app using a machine learning model trained on over 10,000 CSV files containing various energy consumption data.

Data Extractor for Gas and Electrical Bills

A tool capable of handling multiple PDF selections, using GPT and NLP models to identify and extract necessary information from utility bills.

Project Manager

A standalone Python application integrated with a CRM, connecting to multiple websites and databases to display data in real time. It features clickable items, mails automations and various widgets for enhanced data visualization.

Auto Form Filler and Poster

An application that automates the filling and submission of forms on websites using APIs.

Fire Simulation

A simulation project that models the spread of fire in a forest environment using Python and various algorithms.

Reality Radar

A project aimed at detecting deep fakes using advanced machine learning techniques.

verifAIds: fake ads detector

A web extension that detects fake ads using GPT deep learning for text analysis and computer vision for image detection, developed with JavaScript and Python. (Work in progress ...)

Project Manager

IT Skills

</> Programming Languages

Java   Python   JavaScript

</> C#   </> VBA   SQL

HTML   CSS

Databases Technologies

MySQL   HDFS

Cassandra   PySpark

G Google Cloud Storage   BigQuery

Databases Dev

MySQL Workbench

📈 Data Science and Analysis

Scikit-Learn

TensorFlow

Keras

Pandas

NumPy

Matplotlib

Power BI

Tableau

💻 Dev Environments

Anaconda

Jupyter Notebook

Google Colab

Visual Studio Code

IntelliJ IDEA

Eclipse

PyCharm

🛠 Testing and API Tools

Selenium   Postman

Insomnia

🧰 Tools and Miscellaneous

Git   GitHub   Adobe

Microsoft Office

Basics of Cyber Security

Network Fundamentals   CI | CD

Docker   AWS   GCP

👥 Soft Skills

👤 Leadership   🤝 Teamwork

💬 Communication   💡 Creativity

🕐 Time Management   🧠 Problem Solving

❤ Empathy   🏅 Resilience

📇 Contact

📞 +33768085388

✉ benabderrahmane.ne@gmail.com

🔗 LinkedIn

○ GitHub