FATIMA ZOHRA YOUCEF

Data scientist/Engineer, Holding a PhD in Artificial Intelligence (LLM & GenAI).
Known for my passion for AI, along with a strong self-motivation and a consistent work ethic.

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EXPERIENCE

Senior Data scientist/Engineer at Mangabey
Hybride full time

📅 Apr 2023 - Present　　📍 Paris, France

keywords: Data Pipeline,Machine learning, Deep Learning, Generative AI, Data Modeling, Advanced Data Processing, Automation Scripts, Code Optimization, Technical Mentorship, Scalability Solutions

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Data Scientist/Engineer at Yassir
Remote - Part Time

📅 Jan 2021 - Mars 2023　　📍 Berlin, Germany

keywords: Fraud Detection, AI deployment, Cancellation Trends, Data-Driven Security, Ride-Sharing Analytics, Operational Integrity

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R&D Data Scientist at L'agence Courrier
Remote - Part Time

📅 Avr 2020 - Dec 2020　　📍 Paris, France

keywords: R&D in AI

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Junior Data Scientist at IT Developers Company
Freelance

📅 2019　　📍 Oran, Algeria

keywords: small projects based on machine learning

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Backend and data Engineering
Freelance

📅 Nov 2017 - Apr 2019　　📍 Oran, Algeria

keywords: SQL, NOSQL, python, django, kubernetes, flask, FastAPI

LANGUAGES

English　French　Arabic

EDUCATION

Generative AI: PhD collaboration
Specialization in LLM and Transformers

📍 Sorbonne Paris 13, France

keywords: Generative AI, Deep learning, Transformers, Sentiment analysis, text Mining.

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AI in healthacare : PhD collaboration
Specialization in Machine learning and Deep learning

📍 Deakin University, Australia

During this collaboration, I developed advanced deep learning models in partnership with researchers from Deakin University and hospitals. This work encompassed the entire pipeline, from data preprocessing to building models and generating accurate predictions.

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PhD in Artificial Intelligence
Specialization in LLM and Genrative AI

📍 University of Oran 1, Algeria

Decoding Patient Feedback: Leveraging Sentiment Analysis for Enhanced Insights into Medical Experiences

keywords: Natural language Processing (NLP), Large Language Mode (LLM), Text Mining, Deep learning, Transformers, Sentiment analysis, Optical character recognition (OCR), Generative AI, healthcare.

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Master degree in Artificial Intelligence
Specialization in machine learning

📍 University of Oran 1, Algeria

Master Thesis : Bilingual Sentiment Analysis to improve the selection of industrial zones based on SA-GIS- PROMETHEE integration .

keywords: Text Mining, NLP, ML, Sentiment Analysis, GIS, AI deployment.

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Bachelor degree in Computer Science
pecialization in data engineering

📍 University of Oran 1, Algeria

SKILLS

Artificial Intelligence Domain

Machine Learning | Deep Learning | Natural Language Processing | Generative AI | Data preprocessing | Data visualisation | Data Mining | Text Mining | Computer Vision | Neural Networks | Sentiment Analysis | Chatbots | Speech Recognition | Language Models | Transformers | Sequence Modeling | Text Classification | Entity Recognition | Data Modeling | Language Generation | AI Ethics | databricks

Programming languages

Python | java | R | PySpark | Scala

Python Libraries

Tensorflow | Keras | Pytorch | cvtagPandas | NumPy | Sklearn | SciPy | Matplotlib | Plotly | OpenCV | Transformers

Data management

ETL | SQL | MYSQL | NOSQL | PostgreSQL

Cloud

AWS : Redshift | S3 | EMR | SageMaker | ECS
GCP : Big Query | Vertex AI | Dataflow | AI Platform
Azure : Azure Databricks
Databricks : Delta Lake | MLflow

Production & Deployment

FastAPI , Kubernetes , TFServing , TorchServe , Docker | MLOps | MLflow | NIFI

BI Frameworks and Tools

QlickView | QlickSense | Tableau

Versioning

Git | Github | Gitlab

Web Development

HTML5 | CSS3 | Django | DRF | Flask

Other

Google Colab | JupyterLab | Latex | Agile | Linux | Ubuntu | Writing Research papers | Communication | Public Speaking | Teamwork

ACHIEVEMENTS

Research paper in AI |2021
Published a research paper on AI at an international IEEE conference.

National PhD Competition |2020
Won the second PhD position in the Algerian national competition, standing out among hundreds of thousands of participants.

International Symposium on IT for Innovate Tourism in ORAN |2019
Won 1st IT solution prize at " CITY Oran'19"- 2019

VOLUNTEERING

- Former active member at **Team Open Mind Oran club**. A club of computer science students at Oran university. This club aims to spread the open-source culture and to break the ice with new technologies by trying, sharing, learning and working for an open-minded generation.

- Inspired by Django Girls, I founded the **CoGirls Club**, a scientific society aimed at empowering women in IT. The club's primary mission is to encourage young women to learn coding and confidently navigate the challenges of the AI-driven world. It promotes the creation of a supportive IT community exclusively for girls. The club has garnered success in numerous competitions and has hosted a variety of programming workshops and seminars.

- Previously an active member of **GDG Oran** (Google Developer Group Oran), a community committed to fostering creativity and interdisciplinary values among technology enthusiasts, with a strong focus on advancements in computer science.

- Led the organization of the first IT Oran Hackathon 2018 (Openhackathon), spearheaded by Team Open Minds Oran, which cultivated innovation and networking among IT enthusiasts.