Hamza Ghanmi

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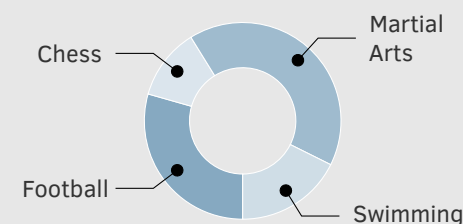- 🌐 https://hamza-ghanmi.netlify.app

Languages

Language	Level
🇹🇳 Arabic	●●●●●
🇬🇧 English	●●●●○
🇫🇷 French	●●●●○
🇪🇸 Spanish	●○○○○

Skills

Python · JavaScript · PySpark · keras · Tensorflow · Matplotlib · Web-Scraping · Machine Learning · Seaborn · Numpy · Pandas · Scikit-learn · SQL/NoSQL · Flask · Django · Selenium · Big Data

Interests

Chess · Martial Arts · Football · Swimming

Data Scientist

Passionate data enthusiast with 3+ years of experience. Skilled in Python, SQL, ML/DL, and problem-solving. I enjoy tackling complex data challenges and transforming them into actionable insights.

Work Experience

July/2023 – Present — **Data Engineer** — Cognism-Kaspr
- Led a team of 3 data engineers to implement data-driven solutions.
- Built scripts to extract data from MongoDB (over 170M documents) and generate insightful statistics, visualized through Tableau.
- Documented Kaspr's web app data flow, including data sources, data processing, and architecture.
- Designed an optimized data flow, ensuring a clear understanding of each stage and achieving a 50% processing time improvement.
- Developed a Flask app that ingests logs (50M rows) from Elasticsearch, performs ETL operations, and serves the processed data.
- Created a user tracking system with Mixpanel.
Keywords: Python, Flask, Data lineage, Redshift, Confluence

Aug/2022 – July/2023 — **Data Scientist** — ABSHORE
- Designed and constructed a robot to extract information from diverse resume formats, integrating it into a Django web application.
- Created a web scraper that scrapes LinkedIn users.
- Used a Heuristic approach for parsing unstructured documents.
- Created and tested APIs using Django Rest framework.
Keywords: Python, Django, Spacy, NER, PostgreSQL, PyMuPDF

Mar/2022 – July/2022 — **Software Engineer** — LOGAWIN
- Developed APIs, database models, and designed views to support the construction of a web app catering to area services in France.
- Created a map and customized markers using Leaflet.
- Migrated an existing database from HBase to PostgreSQL.
Keywords: Python, Django, PostgreSQL, JavaScript, Git, REST API

Mar/2021 – Feb/2022 — **Freelance Data Scientist** — Kiota Intelligence
- Developed web crawlers to collect data from various websites.
- Built a bot that Scrapes data from Facebook and Twitter.
- Integrated the data collection tools into a Flask web application.
- Prepared, cleaned, processed, and analyzed large datasets.
Keywords: Python, Flask, MongoDB, Selenium, Web Scraping

Oct/2020 – Present — **Data Scientist Competitor** — Kaggle
- Gained expertise in data analysis and machine/deep learning.
- Achieved 'Notebook Master' status, Ranked 82 over 220k.
- Ranked 7 over 1433 in TPS Feb 2021 competition.
Keywords: ML, Python, TensorFlow, Sklearn, Numpy, Pandas

Feb/2020 – June/2020 — **Graduation Internship** — Telnet Holding
Developed a biometric behavioral authentication system based on the usage habits of a Smartphone.
Keywords: : Python, Spark, Pandas, MongoDB, Machine Learning

Education

2017 – 2020 — **Computer Science Engineer** — National School Of Computer Sciences

2015 – 2017 — **Pre Engineering degree (Maths/Physics)** — Preparatory Institute For Engineering Studies of Bizerte

Certificates

Date	Certificate	Provider
Mar/2024	**Master Data Engineering using GCP Data Analytics**	Udemy
Dec/2022	**MLOps Specialisation**	Coursera
Aug/2021	**Quantum Machine Learning**	IBM
Aug/2019	**Deep learning Specialisation**	Coursera