MERYEM MIRGHANY

Engineering Student – Data Engineering & Cloud

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PROFILE

5th-year engineering student at EMSI (MIAGE), specializing in **Data Engineering and Cloud**, with experience in **Business Intelligence and ML/AI solutions deployment**. Seeking a **6-month final-year internship starting February 2026** to contribute to Data Engineering projects and cloud solutions.

EDUCATION

Moroccan School of Engineering Sciences (EMSI)	2021 – Present
Computer Engineering and Networks (MIAGE)	*Casablanca*
Groupe Scolaire Lahlou	2020 – 2021
Baccalaureate in Physical Sciences BIOF, High Honors	*Casablanca*

PROFESSIONAL EXPERIENCE

Data Engineer | Internship — Jul. 2025 – Aug. 2025
Groupe Auto Hall — *Casablanca*

- Developed **ETL pipelines** and **Power BI dashboards** for the PowerGLPI project, optimizing IT reporting
- Data modeling and participation in **Agile Scrum** sprints using **Jira**

Census Surveyor — Aug. 2024 – Sept. 2024
High Commission for Planning (HCP) — *Casablanca*

- **Data collection and validation** for the national census

IT Project Coordinator | Internship — July 2024
Canal Informatique — *Casablanca*

- Strengthened skills in **IT project management** and system infrastructure

Supply Chain Coordinator | Internship — Jun. 2023 – Jul. 2023
Afriquia Shipping — *Casablanca*

- Managed **international logistics flows** and real-time operational monitoring

TECHNICAL PROJECTS

CareerMatch AI: HR platform for candidate-job matching using AI recommendation algorithms.
React, Python (scikit-learn, FastAPI, Spacy/NLP), PostgreSQL, Power BI

Facial Recognition Application: Deep learning system deployed on mobile for real-time facial identification.
TensorFlow/Keras (CNN), Flutter, Python, OpenCV, Firebase

TECHNICAL SKILLS

Data Engineering: ETL (Python/Pandas, Airflow), SQL, Spark (basic), Event Streaming (Kafka), Dimensional Modeling(Snowflake)

Cloud: GCP (BigQuery, Cloud Storage, Dataflow), Azure (basic), CI/CD

Machine Learning & AI: Python (scikit-learn, TensorFlow), NLP (Spacy), Feature Engineering, ML Deployment

BI & Visualization: Power BI (DAX, Power Query, KPIs), Dashboards

Programming: Python, Java (Spring Boot), C# (.NET), Dart (Flutter)

Databases: PostgreSQL, MySQL, SQL Server, Firebase

DevOps & Management: Git, Docker, Jira, Agile/Scrum

CERTIFICATIONS

Google Cloud Skills Boost (BigQuery, Dataflow) • IBM Data Engineering • Oracle Cloud Infrastructure DevOps • Microsoft Power BI Data Analyst • Google Business Intelligence • IBM IT Scrum Master

SOFT SKILLS & LANGUAGES

Soft Skills: Business acumen • Problem-solving • Critical Thinking • Learning Agility

Languages: Arabic (Native) • French (Proficient) • English (Proficient)