

MERYEM MIRGHANY

Engineering Student – Data Engineering & Data Science

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PROFILE

5th-year engineering student at **EMSI (MIAGE)**, specialized in **Data Engineering and Data Science**, with **strong expertise in BI**. Seeking a **6-month final year internship starting February 2026** to contribute to data-driven projects.

EDUCATION

Moroccan School of Engineering Sciences (EMSI)	2021 – Present
<i>Computer Engineering and Networks (MIAGE)</i>	<i>Casablanca</i>
Lahlou School Group	2020 – 2021
<i>Baccalaureate in Physical Sciences BIOF, High Honors</i>	<i>Casablanca</i>

PROFESSIONAL EXPERIENCE

Data Engineer Internship <i>Auto Hall Group</i>	Jul. 2025 – Aug. 2025 <i>Casablanca</i>
• Designed PowerGLPI, a data solution reducing IT reporting time by 90%	
• Developed ETL pipelines (Python) , Power BI dashboards , and dimensional models	
• Agile Scrum methodology and data project management on Jira	
Census Surveyor <i>High Commission for Planning (HCP)</i>	Aug. 2024 – Sept. 2024 <i>Casablanca</i>
• Contributed to the national census: data collection and validation	
IT Project Coordinator Internship <i>Canal Informatique</i>	July 2024 <i>Casablanca</i>
• Strengthened skills in system architecture and IT security	
Supply Chain Coordinator Internship <i>Afriquia Shipping</i>	Jun. 2023 – Jul. 2023 <i>Casablanca</i>
• Managed international logistics flows and real-time monitoring	

TECHNICAL PROJECTS

CareerMatch AI: ML platform for talent matching and career prediction.

React, Python (scikit-learn), FastAPI, PostgreSQL, Power BI.

Facial Recognition – Deep Learning: End-to-end ML pipeline with CNN and mobile deployment.
TensorFlow, OpenCV, Flutter

TECHNICAL SKILLS

Data Engineering: ETL, SQL, Data Warehousing, Dimensional Modeling

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

ML & Data Mining: TensorFlow, PyTorch, Computer Vision, NLP, Clustering, Classification

Big Data & Cloud: Hadoop, Spark, Azure

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

Databases: SQL Server, PostgreSQL, MySQL, Firebase

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

CERTIFICATIONS

IBM Data Engineering • Oracle Cloud Infrastructure DevOps • Microsoft Power BI Data Analyst • Google Business Intelligence • IBM IT Project Manager • IBM IT Scrum Master

SOFT SKILLS & LANGUAGES

Soft Skills: Problem-solving • Business acumen • Critical thinking • Learning agility

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