

Abdelghafour Bamoula — Data Scientist & Data Engineer

☎ +212 6 13 63 95 84 • ✉ abdelghafourbamoula@gmail.com
🌐 abdelghafourbamoula.me • in abdelghafourbamoula

Professional Summary

A Data Scientist and Cloud Engineer with AWS and Azure certifications, specializing in ML/AI implementation, data engineering, and cloud solutions. Proven track record of automating processes, building scalable data pipelines, and delivering actionable business intelligence across international projects.

Work Experience

CGI

Data Scientist — Cloud & Data Engineer

Rabat, Morocco

Oct 2023 – Present

- Designed and implemented cloud-based data solutions for international clients, increasing operational efficiency by approximately 30%.
- Developed Python scripts for data extraction, processing, and analysis on cloud platforms, enabling automated business insights.
- Engineered CI/CD pipelines and implemented DevOps practices that reduced deployment cycles by 40% and improved code quality.
- Optimized clustering algorithms and embedding models that enhanced data analysis accuracy by 35% for client applications.
- Built and deployed RAG systems and multimodal LLM-based chatbots, reducing customer service response time by 60%.
- Developed agentic AI solutions that automated complex decision-making processes for enterprise clients.
- Architected AI-based platforms that integrated with existing business systems, creating unified data and intelligence ecosystems.

CGI

Big Data & Cloud Computing Engineer

Rabat, Morocco

Apr 2023 – Sep 2023

- Engineered robust Python applications that automated cloud computing processes, saving an estimated 15 hours/week.
- Led migration of critical services from Azure to AWS, ensuring zero downtime during transition.
- Implemented Infrastructure as Code using Terraform, reducing deployment time by 60%.
- Developed data extraction and processing scripts that streamlined analytics workflows across cloud environments.

Confidential (Freelance)

Data Analyst & Python Developer

Remote, Part-time

Jan 2023 – Sep 2023

- Developed Python scripts for data analysis and process automation, saving client approximately 20 hours/month.
- Created ETL pipelines to transform and integrate data from multiple sources for unified analysis.
- Implemented automated reporting solutions that delivered key business metrics on schedule.

Confidential (Freelance)

Power BI Consultant

Remote, Part-time

Oct 2022 – Jul 2023

- Developed custom Power BI dashboards for international client, transforming complex data into actionable business insights.
- Created automated reporting solutions that reduced manual reporting time by 70%.
- Designed interactive visualizations that improved stakeholder decision-making capabilities.

DataStory

Business Intelligence Consultant (Internship)

Casablanca, Morocco

Apr 2022 – Jun 2022

- Created and integrated Power BI dashboards that visualized KPIs for executive decision-making.
- Automated reporting processes, reducing monthly report generation time from 3 days to 4 hours.
- Developed a web application for inventory management that improved stock visibility by 45%.

Education

Mohammed V University - Faculty of Science <i>Master of Science in Data Science & Engineering</i>	Rabat 2023 – 2025
Mohammed V University - Higher School of Technology of Salé <i>Bachelor's Degree in Information Systems & Big Data</i>	Salé 2022 – 2023
Cadi Ayyad University - Higher School of Technology of Essaouira <i>University Diploma of Technology in Business Intelligence & Data Science</i>	Essaouira 2020 – 2022
Sidi Ahmed Bennacer High School <i>High School Diploma in Mathematical Sciences (A) - French Option</i>	Zagora 2018 – 2020

Technical Skills

Programming: Python, Java, SQL, Bash, JavaScript, HTML/CSS
Data Science: Machine Learning, Deep Learning, NLP, Statistical Modeling, Data Visualization
AI/ML: LLMs, RAG Systems, Neural Networks, Computer Vision, Transformer Models, Agentic AI
Cloud & DevOps: AWS, Azure, Docker, Kubernetes, Terraform, CI/CD, Git, GitHub Actions
Big Data: Spark, PySpark, Hadoop, Kafka, Databricks, ETL Pipelines
Databases: MySQL, PostgreSQL, MongoDB, Neo4j, Redis, Data Warehousing
BI & Analytics: Power BI, Tableau, Data Analysis, Dashboard Design, KPI Reporting

Certifications

2024: AWS Certified Cloud Practitioner (AWS)
2024: Azure Developer Associate (Microsoft)
2023: Azure Data Fundamentals DP-900 (Microsoft)
2022: Python for Data Science (IBM)
In Progress: Azure AI Engineer Associate (Microsoft)

Key Projects

2024: Intelligent Medical Chatbot — Fine-tuned T5 language models for healthcare, implementing RAG (Retrieval-Augmented Generation) to ensure medically validated responses with 92% accuracy.
2023-2024: Automated Cloud Infrastructure — Designed infrastructure-as-code solution using Terraform with CI/CD pipelines that reduced deployment time by 75% and eliminated configuration errors.
2023: LinkedIn Profile Analysis System — Developed NLP-based recommendation engine that analyzed professional profiles and matched candidates to opportunities with 85% relevance.
2022: Emotion and Gender Recognition — Built CNN-based computer vision system achieving 89% accuracy for emotion detection and 94% for gender classification.

Languages

English: Professional Working
French: Professional Working
Arabic: Native

Interests

AI research, robotics, chess, movies, reading (technical and philosophy), continuous learning in emerging technologies.