

Ibrahim Maïga

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CAREER OBJECTIVE

With a strong background in finance and data science, I bring a unique blend of skills to the table. Seeking to contribute my expertise in data analytics, data governance, and Artificial intelligence to the AI development Analyst role at Semper8. I am dedicated to continuous learning and am enthusiastic about using data to deliver optimal solutions for challenging problems.

HIGHLIGHTS OF QUALIFICATIONS

- Possess strong written and verbal communication skills, with the ability to collaborate effectively across different teams.
- Aptitude to analyze large volumes of data from diverse industries and communicate observations and findings using various reporting tools.
- Experienced in process automation, ETL pipelines, and database management.
- Proficient in developing AI solutions using machine learning, achieving high testing accuracy in natural language processing, and computer vision for image and video processing.
- Talented in constructing financial models for budgeting, forecasting, and investment decision-making, and interpreting financial data to provide actionable insights.
- Knowledgeable about accounting standards and key financial regulations essential for ensuring financial institutions' compliance with required frameworks.
- Strong comprehension of data governance policies, risk management frameworks, and compliance protocols across multiple industries.

TECHNICAL SKILLS

Programming languages: Python | SQL | R | VBA | HTML | CSS.

Software & Tools: Microsoft Office | Power BI | Tableau | Git | Shell | Hadoop | Spark | Airflow | Hive | Dbeaver | Jira | Confluence | SAP.

Cloud Computing Platforms: AWS | Azure | Google Cloud.

Database Systems: PostgreSQL | MongoDB | S3 | Data Lake | SQL Server | MySQL | DB2.

EDUCATION

George Brown College, Toronto, ON

Jan 2024 – Expected Dec 2024

Ontario College Graduate Certificate, Applied A.I. Solutions Development

Relevant Projects:

- Developed **Flypto**, an automated cryptocurrency trading platform that leverages advanced deep learning models and real-time sentiment analysis to optimize profitability on seven cryptocurrencies. The platform is designed to eliminate emotional biases and adapt to new data, providing a competitive edge in the volatile cryptocurrency market.
- Developed the beta prototype of a web application named LoHi. This advanced sentiment analysis tool is designed to predict market sentiment based on stock news using deep learning.

University of Ottawa, Ottawa, ON

Sept 2017 – Dec 2021

Honours Bachelor of Science, Financial Mathematics and Economics

Major Courses:

- Financial Econometrics, Equity Valuation, Options and Futures, Microeconomic Theory III, Macroeconomic Theory III, Industrial Organization II, Time Series, Analysis of Experimental Design, Machine Learning Methods.

CERTIFICATIONS

CFI, Online	Expected Dec 2024
<i>Financial Modeling & Valuation Analyst</i>	
Amazon, Online	May 2024
<i>AWS Certified Data Engineer – Associate</i>	
IBM, Online	Jun 2022
<i>Data Science Professional Certificate</i>	

EXPERIENCE

BMS-SA, Bamako, Mali	Jan 2022 – Dec 2023
<i>Financial Analyst</i>	
<ul style="list-style-type: none"> • Led the implementation of automated financial dashboards using Excel and Power BI, streamlining the reporting process and reducing report generation time. • Produced semiannual financial performance reports, tracking key performance indicators, which helped executives monitor financial health and operational efficiency. • Contributed to the preparation of the company's annual budget by using historical financial data, industry trends, and market research to forecast revenues, expenses, and cash flows. • Supported the month-end close process, preparing and reviewing journal entries, balance sheet reconciliations, and variance explanations to ensure the integrity of financial statements. • Developed and maintained financial models using VBA, incorporating advanced sensitivity analysis techniques such as scenario analysis and Monte Carlo simulations. • Conducted regular audits of financial records, identifying discrepancies that could lead to non-compliance, and supported external audits by coordinating with auditors. • Collaborated extensively with the accounting, treasury, and operations teams to ensure accurate financial reporting and alignment with corporate goals. • Delivered semiannual presentations to board of directors, communicating insights, and supporting recommendations with clear financial evidence. 	
Orange, Bamako, Mali	Jan 2021 – Aug 2021
<i>Data Specialist</i>	
<ul style="list-style-type: none"> • Implemented query optimization techniques such as indexing and partitioning, along with correctly defining data types and layouts. This resulted in a reduction in query execution time and improved system responsiveness. • Administered SQL databases, performing routine maintenance, backups, and performance tuning. • Designed multiple web scrapers to gather client questions from Orange Mali websites, Twitter, and Facebook pages, forming a valuable dataset for training and optimizing the company's retrieval-based chatbot. • Developed and maintained ETL pipelines to integrate data from various internal and external sources, enhancing data integration efficiency through automation. • Managed the company's data infrastructure, including databases and data warehouses. Ensured data was securely stored, easily accessible, and well-organized. 	

- Conducted regular audits to ensure data integrity, accuracy, and consistency across all systems.
- Played a key role in migrating legacy systems to the AWS cloud, improving system reliability.

Upwork, Ottawa, Canada

May 2020 – Oct 2020

Freelance Financial Data Analyst

- Provided financial data analysis services to multiple clients across diverse industries, helping them make data-driven investment, budgeting, and forecasting decisions.
- Utilized Microsoft Excel for advanced data manipulation, building complex financial models, performing sensitivity analysis, and creating automated dashboards to track key financial metrics.
- Used R for statistical analysis, developing predictive models to forecast revenue growth, risk probabilities, and expense trends, improving clients' financial decision-making processes.
- Analyzed large financial datasets to identify trends, correlations, and anomalies, delivering insights.
- Performed variance analysis on client budgets and forecasts, identifying key drivers of discrepancies and recommending actionable solutions.
- Conducted portfolio performance analysis for investment clients, evaluating historical returns, volatility, and risk measures, leading to optimized asset allocation strategies.
- Maintained a 5-star rating on Upwork through consistent delivery of high-quality analysis and timely project completion, receiving positive feedback for attention to detail and deep understanding of financial data.

Affinity Gear, Ottawa, Canada

Apr 2018 – Aug 2018

E-commerce Analyst

- Analyzed website traffic and customer behavior patterns, providing insights to optimize the online shopping experience.
- Developed and maintained dashboards to track key performance indicators, including conversion rates, average order value, customer lifetime value, and cart abandonment rates.
- Conducted A/B testing and multivariate testing to improve user experience.
- Implemented Google Tag Manager and enhanced e-commerce tracking, ensuring proper event tracking and data collection for more comprehensive analysis.

RELEVANT PROJECTS

Daily Batch Extraction Application for On-demand Queries

May 2024

- Engineered a robust solution for a high-traffic supermarket generating thousands of sales entries daily. Enabled the analytics team to run ad-hoc queries without overloading their OLTP database by implementing a data pipeline using AWS Glue. Utilized Amazon Athena for efficient on-demand query execution, ensuring seamless access to sales data for strategic decision-making.

Automatic Business Intelligence Dashboards Generation for Healthcare

Feb 2024

- Created an advanced dashboarding solution for a local healthcare company to automate the generation and publication of graphical reports for the board of directors. Transitioned from spreadsheet-based reports on patient treatments to dynamic visualizations covering key performance indicators.