

Abdou Aziz Thiam

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Paris, France

Summary

Data Engineer/Scientist with 4 years of experience, including 1 year in cloud-native data systems and Generative AI. Transitioned from 3 years in web and mobile development to designing machine learning solutions, scalable data pipelines, and AI chatbots using AWS, Azure, GCP, PyTorch, and FastAPI. Proven success in finance and retail sectors. **Google-certified (2x)**: GCP Professional Data Engineer and Machine Learning Engineer. Passionate about leveraging engineering principles to solve real-world AI problems.

Technical Skills

Languages: Python, C++, R, JavaScript

ML/DL Frameworks: PyTorch, TensorFlow, Keras, FastAI, HuggingFace

NLP/LLMs: GPT, Transformers, SpaCy, NLTK, RAG

Cloud Platforms: AWS, GCP, Azure

Big Data Tools: Hadoop, Spark

Databases: PostgreSQL, MySQL, BigQuery, MongoDB, Cassandra

Visualization Tools: Tableau, Power BI, Looker, Seaborn, Matplotlib

Dev Tools: Git, GitHub, GitLab, Azure DevOps

Mathematics: Statistics, Probability, Calculus, Linear Algebra

Experience

Consultant Data Engineer/Scientist

Deloitte France, Puteaux

Feb 2025 – Aug 2025

- Built a Generative AI chatbot using AWS Bedrock, Lambda, and Route 53.
- Deployed cloud services via Amazon RDS, EC2, CloudFront, API Gateway, Cognito, and VPC.
- Designed a secure, scalable chatbot architecture using Azure and Azure DevOps.
- Modeled KPIs using Google Cloud BigQuery and developed ingestion pipelines for Richemont brands (Van Cleef & Arpels, Cartier, Montblanc).

Generative AI & Machine Learning Intern

Steer AI, Versailles

Aug 2024 – Nov 2024

- Migrated TensorFlow-based car damage detection models to PyTorch.
- Built a chatbot using OpenAI APIs, RAG (Retrieval-Augmented Generation), and Hummingbird.

Mobile and Web Application Developer

Irisofttech, Dakar

Nov 2020 – Jan 2023

- Developed mobile and web applications using Flutter and Angular.
- Digitized internal workflows to improve operational efficiency.

Web Developer

DSI Université de Thiès, Senegal

Sep 2019 – Nov 2020

- Built full-stack applications using Angular and Symphony.
- Delivered web tools for academic and administrative use.

Projects

CV Filter — Paris, France Jan 2025 – Feb 2025
Built an ATS system using Gemini API for resume parsing and recruiter notifications.

Finance Chatbot — Paris, France Jun 2024
Developed an NLP-based chatbot using financial APIs; improved insight generation by 18%.

Time Series Forecasting — Paris, France Mar 2024 – May 2024
Built LSTM and Prophet models for energy and stock price forecasting; achieved 87% accuracy on Kaggle.

Education

Master's in Distributed Artificial Intelligence 2023 – 2025
Université Paris Cité, Paris, France

Master's in Computer Science 2020 – 2023
Université Iba Der THIAM de Thiès, Senegal

Bachelor's in Computer Science 2017 – 2020
Université Iba Der THIAM de Thiès, Senegal

Certifications

- GCP Professional Data Engineer – Google
- GCP Professional Machine Learning Engineer – Google
- Data Science Professional Certificate – IBM
- Python for Data Science, AI & Development – IBM
- **In progress:** Databricks Data Engineer Professional Certification

Languages

English (native bilingual proficiency), French (native bilingual proficiency)