

ACHILLE FEDIOUN

Senior Applied AI Scientist – Data Science, Optimization & GenAI Systems

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France (Remote)

PROFILE

Senior AI Engineer and Applied Data Scientist with 8+ years of experience designing and deploying production-grade AI systems across document intelligence, computer vision, time series forecasting, optimization and generative AI. Proven ability to transform research-grade models into scalable platforms used by non-technical users. Recognized industry speaker on modern AI systems and GenAI.

CORE EXPERTISE

Time Series Forecasting Clustering Optimization Statistical Modeling Deep Learning NLP Computer Vision
LLMs RAG Text-to-SQL Python SQL Django Docker

EXPERIENCE

Senior AI Engineer / Applied Data Scientist – Freelance

Remote

📅 2021 – Present

- Designed and delivered end-to-end AI systems for industrial and research clients.
- Built production pipelines combining statistical models, deep learning and LLMs.
- Led projects from requirements to deployment and supervised junior engineers.

Lead AI Engineer – GenAI SaaS (Iadvice)

B2B Client Project

📅 2024 – 2025

- Designed the full GenAI architecture (RAG, schema filtering, ReACT prompting).
- Built a Text-to-SQL platform achieving 95% SQL accuracy.
- Implemented dashboards, automated alerts and multi-tenant data access.
- Supervised a junior frontend engineer and deployed a dockerized backend.

AI Engineer – Cegelec Defense (PoC)

📅 2025

- Built a secure blockchain-based data visualization platform for drone detection systems.
- Enabled real-time monitoring and analytics with a university research lab.

AI Engineer – Circoé (Emailia)

📅 2022 – 2023

- Built an email processing system for automated quote requests using tagging-based NLP.
- Created a custom annotation tool and semi-automated labeled dataset.
- Deployed the model behind an API and integrated it with a third-party quote generation software.

AI Engineer – Toshiba

Rouen, France

📅 2020 – 2021

- Developed NLP and computer vision pipelines for document understanding.
- Deployed information extraction systems in production workflows.

AI Research Engineer – LITIS & Hamelin

Rouen, France

📅 2018 – 2020

- Built CNN+LSTM handwriting recognition pipelines.
- Integrated statistical language models for post-processing.

Research Intern – Inria

Nancy, France

📅 2017

- Implemented reinforcement learning algorithms in C++.

TALKS & INDUSTRY ENGAGEMENT

Invited AI Speaker – Industry Training

France

📅 2025

- Delivered a full-day executive-level training on the state of the art in Artificial Intelligence.
- Covered Generative AI, LLMs, production AI systems and business impact of modern AI.

EDUCATION

Engineering Degree in Computer Science

Télécom Nancy

📅 2014 – 2017

♥ Big Data Processing

Master's Degree in Artificial Intelligence (IPAC)

University of Lorraine

📅 2017

CERTIFICATIONS

AWS Cloud Practitioner (2024)

LANGUAGES

French (Native) English (Fluent)