

Stéphane AHOLOU-BAH

📍 Abomey-Calavi, Benin ✉️ stephane.ahbah@gmail.com ☎️ +229 01 57 57 45 32 🌐 stephanebah.me
LinkedIn: [stephanebah](#) GitHub: [StephaneBah](#)

About

I am particularly interested in applying artificial intelligence to real-world challenges, including public safety, healthcare, resource optimization, and language processing. My goal is to explore and develop AI-based solutions that improve efficiency, decision-making, and accessibility in these areas.

Education

University of Abomey-Calavi: IFRI 🔗	<i>2022 – Present</i>
<i>Bachelor's Degree in Computer Science (Option: Artificial Intelligence)</i>	
◦ 3rd year degree in AI	
◦ Main modules: Machine Learning, NLP, Computer Vision, Data Analysis, Optimization; Calculus, Linear Algebra, Statistics, Probability, Algebraic Structures; OOP, Data Structures, Application Development	
CEG Pahou	<i>2022</i>
<i>Baccalaureate – Science Track (Série C)</i>	
◦ Highest Honours (16.27/20)	

Experience

Backend Developer & AI Engineer (Internship) SharayTalent 🔗	<i>Nov 2025 – Jan 2026</i>
◦ Developed a Django-based backend for an AI-powered talent management platform, streamlining recruitment processes	
◦ Implemented core AI functionalities, including automated CV extraction, psychometric assessment analysis, and quiz generation	
◦ Contributed to API design, database management, and system architecture for scalable and efficient talent acquisition solutions	
AI Engineer (Internship) AdjibolaTech 🔗	<i>Bénin Jun 2025 – Sep 2025</i>
◦ Worked on AI-based telemedicine solutions, including real-time transcription and contextual medical assistance	
◦ Developed an ASR model adapted to Beninese French accents and specialized in the medical field to improve speech recognition accuracy	
Backend Developper (Internship) Cabinet Jilmonde Consulting 🔗	<i>Abomey-Calavi, Bénin Jul 2024 – Sep 2024</i>
◦ Built a web portal for a company that sells and produces newspaper articles	

Projects

Chronic Kidney Disease Stage Prediction Demo Report GitHub 🔗	<i>AI4CKD Hack</i>
◦ Built an ML model to predict CKD stages using clinical and demographic data prior to lab tests	
◦ Applied preprocessing, statistical analysis, and classifiers (Random Forest, SVM, KNN) to support early diagnosis	
Whisper Small Fine-Tuning for Beninese French Accents Report GitHub 🔗	<i>Speech Recognition</i>
◦ Adapted Whisper Small using radiology reports and locally collected speech data	
◦ Reduced Word Error Rate from 109.6% to 20% on test samples	

Model ↗

TriPostal – Automatic Postal Code Recognition

Computer Vision

- Automated postal sorting by detecting, segmenting, and classifying digits from scanned envelopes
- Used image processing and k-Nearest Neighbors (KNN) for recognition

Automated Exam Scheduling System

Optimization

- Built a constraint programming system to optimize university exam schedules
- Respected room capacity, student availability, and time-between-exams constraints

[GitHub ↗](#)

Zindi ARC Challenge Africa

Competition

- Investigated transductive inference with LLMs to generate exact code solutions per instance
- Achieved 0.30 accuracy on the private test set

[Notebook ↗](#) | [Competition ↗](#)

ANIP Challenge: Face Recognition, Age Estimation, OCR

Computer Vision

- Built models for face detection, age estimation, and OCR with data preprocessing and evaluation

[GitHub ↗](#) | [Competition ↗](#)

Organizations

AMLD Africa ↗

2025 – 2026

- AMLD Africa Ambassador; organized AMLD events in Benin to promote inclusive AI education

Awards

Winner – [LLMs for OHADA Law Innovation Competition ↗](#), Force-N Senegal (May 2025)

Certificates

Large Language Models – Force-N Senegal (Apr 2025)

NeuroAI ↗ – Neuromatch Academy (Jul 2025)

ACP Summer School 2025 – Association of Constraints Programming (Aug 2025)

MOOCs

[OpenCV's TensorFlow Keras Bootcamp ↗](#)

[Advanced Learning Algorithms \(Stanford\) ↗](#) – Coursera

[IBM Data Science Professional Certificate](#)

References

Dr Ratheil HOUNDJI – AI Bachelor’s Degree Manager, IFRI-UAC | [vratheilhoundji@gmail.com ↗](mailto:vratheilhoundji@gmail.com)

Dr Sègbédji GOUBALAN – CEO, AdjibolaTech | [sjgoubalan@adjibola.tech ↗](mailto:sjgoubalan@adjibola.tech)

Languages

French – Native | **English** – B2

Skills

Hard Skills: Python, SQL, NumPy, Pandas, Django, Data Analysis, Backend Development, TensorFlow, PyTorch, OpenCV, Scikit-Image

Soft Skills: Analytical thinker, collaborative and team-oriented, curious and creative