

BOKOSSA FREUD - ARTHUR

STUDENT OF ARTIFICIAL INTELLIGENCE

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🌐 Freud BOKOSSA 🎮 FreudArthur 🇧🇪 Benin 📅 15/01/2007

👤 PROFIL

Artificial Intelligence undergraduate student with a strong focus on Machine Learning, Computer Vision, and Reinforcement Learning. Experienced in designing and implementing AI systems from data processing and model development to backend integration and deployment. Comfortable working with Python and modern ML frameworks, with a strong interest in understanding the mathematical and theoretical foundations behind intelligent systems. Currently focused on developing practical AI solutions while deepening expertise in computer vision, reinforcement learning, and AI system engineering.

📁 EXPERIENCES

AI Enginner | Backend Developer

06/2026 – 09/2026

Minister of Digital Transformation and Innovation

Benin

Implementation of an intelligent chatbot capable of automatically answering questions related to the Ministry, thereby enabling users to be redirected more efficiently

AI Trainer

09/2026

Prisme

Haiti

Teaching teachers how to make better use of artificial intelligence tools to maintain productivity

📁 PROJETS

DeepScan

A comprehensive system combining an embedding database and vector search optimized with FAISS: faces are detected using MTCNN, encoded into vectors by InceptionResNetV1 (FaceNet), and stored in a database.

RL-Games

A project in which I'm rewriting the standard reinforcement learning algorithms from scratch to solve classic RL problems such as Taxi, Landar Luner, and Mountain Car

ThomasBot

Engineered a specialized conversational agent utilizing advanced Retrieval-Augmented Generation (RAG) architectures with Llama and Mistral. Implemented efficient text embeddings and database querying systems to process, index, and retrieve unstructured knowledge domains

CineMatch

Designed scalable backend architectures for film recommendation using Django and Docker to handle high-throughput databases (PostgreSQL) and ensure reliable software delivery.

Horizon

Development of a temperature forecasting model based on time-series data to predict temperature using GRU and LSTM networks, with an MSE of 2.91 and an MAE of 0.93

Go Together

Development of a carpooling web application designed to connect students so they can travel to school together, using Django

🎓 FORMATION

Second year of the Bachelor's degree

2024 – 2027

IFRI - UAC

Abomey Calavi

Specialisation in Artificial Intelligence

High school diploma

2024

Lycée Houffon

C Serie

SKILLS

Programming Languages

Python (Advanced), C , C++ , SQL, Javascript, R

Machine Learning & Computer Vision

Scikit-Learn , Pytorch, Tensorflow , Pandas , Numpy, Open CV

Reinforcement Learning

Gymnasium, Stable Baseline

Databases

PostgreSQL, MySQL

Data & Visualisation

Matplotlib , Seaborn , EDA , Excel

Data Systems and MLOps

Docker , Git/GitHub Actions , CI/CD , FastAPI , Linux, Automatisatation Pipelines

Mathematics

Statistics, Probability, Linear Algebra

Web Development

Django, Rest API

LANGUAGES

French

Natif

English

(B2/C1 Level)

CERTIFICATIONS

Introduction to R , deep learning with Pytorch , Python Intermediate, Deep Learning for text

DataCamp

Intro to Deep Learning

Kaggle

Introduction to Python

Sololearn

SQL and Relationnal Database

IBM

Cloud Service

Microsoft

Introduction to Git

DataCamp

Data Visualization

Kaggle

Intro to Pandas

Kaggle

VOLUNTEERING

Deep Learning IndabaX

Monitoring Evaluation Interpret

Help track key performance indicators (KPIs) for the IndabaX on-site session and assist with interpreting workshops.

02/2026

Benin

COURSES

GCI World 2026

Matsuo Iwasawa Lab

A 3-month program led by Matsuo Iwasawa University to teach students the fundamentals of data science

03/2026 – 06/2026

Japan

Summer School of Artificial Intelligence

Fondation Vallet and Benin Excellence

An intensive month during which we learned the basics of programming, machine learning, and robotics

08/2024

Benin