

Cheick Ahmed Coulibaly

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ABOUT MYSELF

Driven by excellence and purpose, eager to acquire strong expertise in artificial intelligence, and aiming to design intelligent, data-driven solutions that contribute to achieving the UN Sustainable Development Goals.

EDUCATION & TRAINING

Master's in Information Systems Management for Social Protection

Higher School of Social Security (ESSS) [01/10/2024 - Current]

City: Alger | **Country:** Algeria

Field(s) of study: Information Systems | **Final grade:** Ranked 1st out of 14 students with an average grade of 16.52/20 in the first year (M1) | **Level in EQF:** 7

Master's in Data Mining and Artificial Intelligence

Virtual University of Burkina Faso (UVBF) [30/10/2024 - Current]

City: Ouagadougou | **Country:** Burkina Faso

Field(s) of study: Data and Artificial Intelligence | **Final grade:** Ranked within the top 10% of the class with an average grade of 16.05/20 in the first year (M1) | **Level in EQF:** 7

Visiting Student – “Technology for Computer Applications” Program

Shanghai Polytechnic University (SSPU) [26/09/2023 - 13/12/2023]

City: Shanghai | **Country:** China

Level in EQF: 6

Bachelor's Degree in Information Systems Engineering

Nazi Boni University (UNB) – Higher School of Computer Science (ESI) [01/10/2019 - 22/03/2023]

City: Bobo-Dioulasso | **Country:** Burkina Faso

Field(s) of study: Computer Science | **Final grade:** Degree awarded with Honours | **Level in EQF:** 6 | **Thesis:** Study and Implementation of an Intelligent Product and Promotion Design System

WORK EXPERIENCE

Synelia (formerly SMILE Burkina Faso) - Burkina Faso, Ouagadougou

Full-Stack Development Intern

[22/03/2023 - 21/09/2023]

- Created UML models and system architecture diagrams for the *MySpace* application using draw.io
- Developed and integrated back-end logic and relational databases

Ornage Burkina Faso - Burkina Faso, Ouagadougou

Software Engineering Intern

[01/09/2022 - 22/03/2023]

- Designed and implemented an intelligent product and promotion design system to automate marketing decisions
- Conducted relational database design and business logic implementation

CERTIFICATIONS

[Higher School of Social Security, 23/04/2025]

Innovation Award – ESSS Hackathon 2025 Winner of the innovation prize for the project "Zero Fraud for Sustainable Social Security."

[Tech Emerging Africa, 01/11/2025]

Build a MINI-SAAS product cataloging application with AI and RAG

[Huawei Global Training Center, 11/12/2023]

HCIA-5G Training

[OpenClassrooms, 27/09/2022]

AI Objective: Get started with artificial intelligence

[OpenClassrooms, 28/08/2022]

Learn to program in Java

[OpenClassrooms, 08/09/2021]

Learn the basics of the Python language

NETWORKS AND MEMBERSHIPS

[01/11/2025 - Current] Algeria

Scientific Tutor – CNED / Alexandre Dumas International High School Providing academic support in mathematics, physics-chemistry, and computer science to secondary school students (Grade 9 and Grade 11).

[28/05/2025 - Current] Burkina Faso

IndabaX'25 Scientific Team Participation in the development of the academic program (training, conferences, hackathon) for the 2025 edition of IndabaX under the theme "Solidarity Innovation - AI as a lever for development".

[01/03/2025 - Current] Algeria

ESSS Alumni Association Training Committee Facilitating workshops on the R language and the RStudio tool.

[01/01/2025 - Current] Algeria

- Representing Burkinabe students in Algiers to diplomatic bodies.
- Participating in the organization of cultural, educational, and intellectual activities: debates, meetings, and educational outings.

[01/04/2023 - 15/07/2025] Burkina Faso

American Corner-Bobo Regular participation in educational and cultural activities: English classes, thematic debates, film screenings, followed by discussions, entrepreneurship, and leadership workshops.

[10/04/2025 - 15/07/2025] Burkina Faso

Media Library of the French Institute of Bobo-Dioulasso Participation in cultural and continuing education activities: digital workshops, film screenings, exhibitions, and artistic encounters.

[20/10/2019 - 31/07/2022] Burkina Faso

StructIOT Club - Higher School of Computer Science Participation in IoT technical projects, including the design of an automatic handwashing station during the COVID-19 pandemic.

LANGUAGE SKILLS

Other language(s): French (Bilingual Proficiency) | English (B2) | Chinese (A1) | Arabic (A1)

SKILLS

Programming: Python, R, Java, C | Databases: SQL (MySQL, PostgreSQL), NoSQL(MongoDB, Neo4j) | Data Analysis & BI: Microsoft Power BI, Pandas, NumPy, Matplotlib | Data Science & AI: Machine Learning (scikit-learn), Deep Learning (TensorFlow) | Geographic Information System : QGIS | Tools & Environment : Linux, Git, GitHub

HOBBIES AND INTERESTS

Traveling | Athletics | Reading