

# 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 Taining 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

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[ 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

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

## SKILLS

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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

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**Traveling | Athletics | Reading**