

Aboubacar Diarra

AI & Machine Learning | IOAI 2026 Bronze Medalist | Competitive Programmer
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PROFILE

Final-year secondary student (Terminale TSE) and AI/ML builder who won a **bronze medal at IOAI 2026** (140th worldwide, 2nd in Africa) representing Mali. I train in machine learning, computer vision and NLP, build practical projects in Python and PyTorch, and mentor the next Malian Olympiad team. Seeking an undergraduate program in AI, machine learning or computer science, with a long-term interest in AI for African languages such as Bambara.

SELECTED ACHIEVEMENTS

Bronze Medal, International Olympiad in Artificial Intelligence (IOAI) 2026 140th worldwide · 2nd in Africa · 1st in Mali (Individual Contest) · Astana, Kazakhstan	Aug 2026
Bronze Medal, African Olympiad in Artificial Intelligence (AOAI) 2026 17th overall in the individual ranking · 1st edition of the competition · Tunisia	Apr 2026
National Olympiad in AI (NOAI) Mali 2025 Top 10 national certificate; Phase 4 medal · Organized through RobotsMali	2025

TECHNICAL PROJECTS

Agri'Mali Plant disease detection for agriculture • Built an image-based plant disease detection project using leaf images, PyTorch and EfficientNetV2.	Computer vision
100_ml_projects 100 ML Real Projects Challenge • Co-authored a collection of 100 practical machine learning projects built as a hands-on learning challenge.	Co-author
KalanWEB Early educational-platform concept (inactive) • Built a first web prototype while learning HTML, CSS and AI-assisted coding; no longer maintained.	Grade 10

EXPERIENCE & PROGRAMS

AI Intern, RobotsMali <i>Koulikoro, Mali</i> • Advanced training in machine learning, computer vision and natural language processing. • Prepared for IOAI after medaling at continental level; mentor the incoming Olympiad team.	Jun 2025 – Present
Problem Solver, SOTA AI Community	Oct 2026 – Present
Open Science Community Member, Cohere Labs	Sep 2026 – Present
Program Participant, GCI World, Matsuo-Iwasawa Lab, University of Tokyo	Sep 2026 – Present

EDUCATION & TRAINING

Terminale TSE (Exact Sciences), Mali	Baccalauréat expected 2027
Elements of AI, University of Helsinki	Jan – Feb 2026
Data Science & Analytics; Cybersecurity Awareness, HP LIFE	Nov 2025

TECHNICAL SKILLS

Programming: Python
Machine Learning: PyTorch, EfficientNetV2, artificial neural networks
AI Fields: Computer vision, deep learning, natural language processing
Web & Tools: HTML, CSS, Git, GitHub
Strengths: Problem solving, competitive programming, mentoring