

Abdelilah Nossair

📍 Morocco ✉ abdel.noss01@gmail.com ☎ (+212) 621-707808 in Abdelilah Nossair
🌐 AbdelilahNossair 🌐 AbdelilahNossair.com

Profile

AI Engineer and Data Analyst with a strong scientific background (**Summa Cum Laude**, CGPA **3.93/4.0** and international experience at **Baylor University (USA)**). I build **machine learning, computer vision, and intelligent systems** that bridge research and real-world impact—from predictive analytics to assistive technologies.

Education

Al Akhawayn University in Ifrane, Morocco *Sept 2021 – May 2025*

BSc in Computer Science (AI specialization) · Minor: Business Administration

- CGPA **3.93/4.0**; **Summa Cum Laude**
- Honors: President's List (2022, 2024); Dean's List (6 terms)
- Relevant coursework: Artificial Intelligence, Natural Language Processing, Statistical Analysis.

Baylor University, Waco, Texas (USA)

Aug 2023 – Dec 2023

Exchange Program in Computer Science

- GPA **3.80/4.0**; Dean's List
- Coursework: Analysis of Algorithms, Probability & Statistics, Languages & Compilers.

Standardized Tests

- **Duolingo English Test**: 140 (CEFR C1)

Experience

Data Analyst (Full-Time)

Casablanca, Morocco

Optorg Group - Tractafric Equipment

Oct 2025 – Present

- Architecting a **multi-source operational data model** (ERP/CRM/After-sales/Telematics) and **data-governance framework** for logistics, sales, and maintenance.
- Ensured funnel **data fidelity & CRM hygiene** and customer retention via segmentation, lead scoring, and next-best-action campaigns.
- Contributed to the **automation & digitalization** of the asset lifecycle with MD workflows, APIs, and validation rules—improving traceability and auditability.

Junior Consultant — AI Engineer (Internship)

Casablanca, Morocco

Deloitte Morocco Cybersecurity Center

Jun 2024 – Aug 2024

- **Phishing Email Detection — Outlook/Gmail Integration** ([Repo](#) [🔗](#))
- Designed and deployed an NLP-based classifier (Deep Learning) achieving **98%+** accuracy; enhanced governance and real-time risk mitigation.
- Relevance to **AI for Finance**: intelligent risk management, compliance, and secure decision pipelines.

Software Engineer (Internship)

Rabat, Morocco

Ministry of Health and Social Protection

Jan 2023 – Jun 2023

- Built a scalable **HR management platform** with automated workflows; improved process efficiency by **40%** and user satisfaction by **25%**.
- Explored early applications of AI for administrative optimization in the healthcare sector.

Business Assistant (Internship)

Marrakesh, Morocco

Afriquia SMDC Regional Office

Jun 2022 – Aug 2022

- Conducted financial analysis and supported cross-functional operations informing budget and resource decisions.

Projects & Research

Assistive Device for the Visually Impaired (Raspberry Pi 5)

[Demo](#) 

- Multimodal system with object/obstacle detection, face recognition, OCR, STT/TTS, scene description, and VLM integration (PyTorch, Transformers, OpenCV).
- **Societal impact:** accessibility and autonomy; showcases end-to-end **AI engineering** from edge deployment to user experience.

Irrigation Optimization for Moroccan Agriculture (IoT + ML)

- Predicted reference evapotranspiration ET_0 across 30 agricultural zones; delivered app-based recommendations (Flutter).
- **Sustainability impact:** lower water costs, improved yield efficiency, and alignment with **Sustainable Energy** objectives.

PeerFit — Social Sports Events App

[Live site](#) 

- Launched & deployed cross-platform app (React Native/Expo; Node/Express; PostgreSQL); **Android & iOS live release** enabling geo-based event discovery, creation, and participation.
- **AI levers:** engagement analytics (funnels, cohorts), anomaly detection for trust & safety, and retention modeling for community growth.

Skills

Core AI: Deep Learning, NLP, Computer Vision, Optimization, MLOps, Model Deployment

Programming: Python, C++, Java, Dart, JavaScript, SQL (PostgreSQL)

Frameworks/Tools: PyTorch, TensorFlow, Scikit-learn, Hugging Face, Transformers, OpenCV, Pandas, NumPy, React.js, Flutter, Flask, Node.js, Express.js, Docker

Business & Analytics: Data Visualization, KPI Design, A/B Testing, Experimentation Mindset, Stakeholder Communication

Leadership & Activities

Peer Success Tutor (Part-Time) & Learning Fellow (Part-Time), AUI: Mentored 120+ students in AI, distributed programming, and Mathematics; improved retention and outcomes.

Humanitarian Work (Rahma AUI, El Ghad Association): Organized initiatives for vulnerable groups; logistics and partnerships.

Sports: University basketball & American football; personal interests in skiing, mountain climbing, and taekwondo.

Languages

English: Full professional — **French:** Bilingual — **Arabic:** Native — **Spanish:** Beginner