

Abderrahman Kouki

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Education

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|---|--------------------------------|
| Ecole Polytechnique de Sousse - GFI <i>Software Engineering (specialty in Data Science and AI)</i> | Sousse, Tunisia 2023 - 2026 |
| Université Paris Dauphine - PSL <i>Applied Mathematics for Computer Science & Decision</i> | Tunis, Tunisia 2021 - 2023 |
| Institut Préparatoire aux Études d'Ingénieurs de Tunis <i>Maths-Physics Preparatory Class for Engineering Studies</i> | Tunis, Tunisia 2018 - 2021 |
| Tunisian Baccalaureate in Mathematics <i>Honors: Good</i> | 2018 |
| French Scientific Baccalaureate (Specialty: Life and Earth Sciences) <i>Honors: Fair</i> | 2017 |

Experience

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| Data Soft <i>Software Development Intern</i> | Sousse, Tunisia Summer 2024 |
| <ul style="list-style-type: none">• Developed an ERP extension for financial data transfer and tax compliance using UML.• Debugged and optimized system functionality with WinDev 25. | |
| Bureau Expert Comptable Moncef Zayani <i>Accounting & IT Intern</i> | Tunisia July 2023 |
| <ul style="list-style-type: none">• Assisted in financial data processing and compliance with tax regulations.• Integrated accounting software with internal financial systems. | |

Projects

PFA - Big Data & Machine Learning Project (In Progress)

- Implemented Hadoop for large-scale data cleaning and processing.
- Developed a machine learning model using Apache Spark for predictive analysis.

Water Footprint Reduction Advisory Website

- Built an Angular-based advisory website for sustainable water usage.
- Integrated an LLM chatbot for personalized environmental advice.

React Website for Industrial Machinery Company

- Designed, developed, and hosted a company website using React.

Virtual Try-On Feature for Zen Clothing Brand

- Implemented a virtual try-on feature using the OOTDiffusion model as part of IEEE challenges.
- Integrated the feature into Zen's mobile app, enabling users to visualize clothing in real-time.

Stock Management System for Restaurants

- Developed a stock management system using JavaFX, Java, and MySQL.
- Features include inventory tracking, supplier management, and automated stock alerts.

Grocery Delivery App

- Developed an Android grocery delivery application using Java and Material UI.
- Implemented user authentication and a seamless UI/UX.

School Management System

- Developed a comprehensive school management system using Python, Tkinter, and MySQL.
- Features include student calendar management, class management, and a library module.

Leadership & Activities

IEEE EPS Student Branch

Member

Tunisia

2023 - Present

- Worked on various technical projects and ranked 2nd in the IEEE Xtreme Hub Competition.

Founding Member of IT Lab, Paris Dauphine University

Event Coordinator

Tunis, Tunisia

2022 - 2023

- Led event management efforts and facilitated tech workshops for students.

ACM Membership

Member

Tunisia

2021 - Present

- Participated in competitive programming contests and algorithmic challenges.

Skills & Certifications

Technical: Python, Java, C, JavaScript, HTML & CSS, PHP, R, Flutter, C++, C# .NET, MEAN Stack, Docker, Apache Spark, Flask, REST APIs, Linux

AI & Machine Learning: LLM deployment, Prompt Engineering, RAG-powered chatbot development, Ollama, Hadoop, Data Warehousing

ERP & Business Applications: Financial Data Integration, UML

Networking & Security: Enterprise network setup, Security Protocols

Certifications:

- Microsoft Azure AI-900 (AI Fundamentals)
- CCNA 1 & 2 Certification
- BLS (Basic Life Support) Certification
- Securinet OSINT Formation
- 2nd Place - IEEE Xtreme Hub Competition (2023)
- Building Transformer-Based Natural Language Processing Applications (NVIDIA)
- Fundamentals of Deep Learning (NVIDIA)

Languages

Arabic: Native

English: Professional

French: Professional

German: Basic