

MAHMOUD EL GHARIB

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Professional Profile

Master's student in **Artificial Intelligence and Data Science (AI2SD)** at the Faculty of Science and Technology Tangier, passionate about **data valorization** and **AI-driven solutions**. Holder of a **Data Analytics** degree with strong expertise in **data analysis**, **statistical modeling**, and **full-stack web development** (React, Next.js, Django, Tailwind CSS). Motivated, rigorous, and results-oriented, seeking a **final project (PFA)** to design and deploy **machine learning models** and **intelligent applications** addressing real-world **Data Science** and **AI** challenges.

Education

Master in Artificial Intelligence and Data Sciences (AI2SD) <i>Faculty of Science and Technology Tangier</i>	2025 – 2027 <i>Tangier, Morocco</i>
Bachelor in Data Analytics (AD) <i>Faculty of Science and Technology Tangier</i>	2024 – 2025 <i>Tangier, Morocco</i>
DEUST in Mathematics, Computer Science, Physics, Chemistry (MIPC) <i>Faculty of Science and Technology Tangier</i>	2021 – 2024 <i>Tangier, Morocco</i>
High School Diploma in Physical and Chemical Sciences <i>Dhar Ben Ayad High School</i>	2021 <i>Chefchaouen, Morocco</i>

Certifications

AI Career Essentials Programme - ALX Africa

Professional Experience

Internship - Centralized System for Managing and Analyzing Data for CMH April 2025 - June 2025 <i>Cloud Marketing Hub</i>	<i>Tangier, Morocco</i>
<ul style="list-style-type: none">Designed and developed a centralized data management system, reducing average task time by 65% and improving cross-team coordination.Automated analysis and reporting of over 500,000 monthly marketing emails, cutting manual data handling by 80%.Implemented secure role-based access control (RBAC) and two-factor authentication (2FA) via Telegram, strengthening data governance for 400+ employees.Technologies used: Python, Django, PostgreSQL, REST API, REDIS, Next.js	

Academic Projects

SmartMaint - Predictive Maintenance System <i>Python, scikit-learn, Flask, Streamlit</i>	2025
<ul style="list-style-type: none">Detected machine anomalies using Random Forest and IoT sensor data.Developed a predictive maintenance system with an interactive web interface.Analyzed sensor data to predict failures with 92% accuracy.Technologies: Python, scikit-learn, Random Forest, Flask, Streamlit	
Statistical Analysis of Road Accidents in Morocco <i>Python, Pandas, Matplotlib</i>	2024
<ul style="list-style-type: none">Analyzed Morocco's road accident data using Python, Tkinter, and Matplotlib.Created an interactive dashboard analyzing over 50,000 accident records.Developed geospatial visualizations to identify high-risk areas.Technologies: Python, Pandas, Matplotlib, Tkinter, GeoPandas	

Tech Horizon - Full-Stack Web Application <i>Laravel, MySQL</i>	2023
<ul style="list-style-type: none"> Created an interactive online magazine focused on emerging technologies (AI, IoT, cybersecurity, VR). Developed a multi-role system (visitor, subscriber, manager, admin) with article management and real-time statistics. 	
<ul style="list-style-type: none"> Technologies: Laravel (PHP), MySQL, HTML5, CSS3, JavaScript, AJAX 	

Technical Skills

Programming Languages: Python, SQL, JavaScript, PHP, HTML, CSS, Java
Data Science Machine Learning: Pandas, NumPy, Matplotlib, Seaborn, scikit-learn
Data Analysis: Excel, Google Analytics, Data Visualization
Artificial Intelligence: Supervised Unsupervised Learning, NLP, Feature Engineering, Model Optimization
Databases: SQL, PostgreSQL, MySQL
Web Development: React, Next.js, Django, Laravel, Bootstrap, Tailwind CSS, jQuery, WordPress
Tools Platforms: Git, GitHub, Docker, Figma, VS Code, Jupyter, Google Colab, Kaggle
Digital Marketing Design: Adobe Creative Suite (Photoshop, Premiere Pro, After Effects), SEO, SEM, Google Analytics, Social Media Management, UX/UI Design

Soft Skills

Management Skills: Project Management, Team Coordination, Time Management, Leadership
Soft Skills: Problem Solving, Effective Communication Teamwork, Time Management Organization, Curiosity Adaptability, Creativity Innovation, Stress Management Decision Making Under Pressure

Leadership & Extracurricular Activities

Team Leader & Head of Media and Digital Cell	Since 2024
<i>Rowad Cultural Club</i>	<i>FST Tangier</i>
<ul style="list-style-type: none"> Led a team of 30+ members for organizing cultural events. Managed events attracting over 200 participants. Developed communication strategies increasing engagement by 60%. 	
Member of Media & Community Management Committee	2021 – 2023
<i>Enactus FSTT</i>	<i>FST Tangier</i>
<ul style="list-style-type: none"> Created visual and written content to promote social projects. Collaborated with team on the 'Maghreb-it' project. 	

Languages & Interests

Languages: Arabic (Native), French (Fluent), English (Fluent)
Driver’s License: Category B
Hobbies: Football, Basketball, Photography