Ghofran Massaoudi

(+216) 52 484 044 | ghofran.massaoudi1@gmail.com | linkedin.com/in/ghofran-massaoudi-5576b0220 | github.com/Ghofran13579 | Tunis, Tunisia

Education

Tunis University – ISG Tunis   Tunis, Tunisia
Master of Research in Intelligent Decision-Making Methods (IDEAS)   *December 2025*

Kairouan University - ISIG Kairouan   Kairouan, Tunisia
Bachelor in Business Intelligence – Graduated with Distinction (Mention Bien)   *Jully 2023*

Lycée Sidi Hassine   Tunis, Tunisia
Baccalaureate in Experimental Sciences – Mention Passable   *August 2020*

Experience

A Healthier Happier Me (Volunteer)   Remote, United States
AI Expert Consultant   *May 2024 – Present*

- Built an AI model to automate résumé screening and enhance HR efficiency.
- Improved SEO performance and created newsletters through Mailchimp.
- Automated workflows using Monday.com to optimize digital operations.

University of Artois – Faculté des Sciences Appliquées   Béthune, France
Research Intern   *Jully 2025 – October 2025*

- Conducted literature reviews on Home Health Care optimization.
- Authored and presented a peer-reviewed paper at CoDIT 2025.
- Built a multi-objective model for caregiver scheduling and resource allocation.
- Implemented exact MILP using Lexicography method and Non-dominated Chemical Reaction Optimization (NCRO) algorithms in Python for scheduling optimization.
- Integrated Q-Learning into NCRO for adaptive operator selection, improving convergence and diversity.

Wright's Resumes and Connections   Remote, United States
IT Support Assistant Intern   *September 2024 – December 2024*

- Developed a To-Do List app using Bubble.io for task management.

Hubblemind   Remote, India
Data Science Intern   *November 2024*

- Cleaned and preprocessed datasets; performed EDA and visualizations.
- Built and evaluated ML models; delivered analytical performance reports.

Green Cloud Nine   Remote, Austria
Consultant Intern   *March 2024 – May 2024*

- Collected supplier and product data, organized through Notion.
- Built Power BI dashboards supporting sustainability-focused decision-making.

Attijari Bank   Tunis, Tunisia
Business Intelligence Intern – Data Analyst   *February 2023 – May 2023*

- Integrated real-time data using Talend ESB and Power BI.
- Developed interactive dashboards and improved visualization accuracy.

The Bridge 9antra   Tunis, Tunisia
Full-Stack Developer Intern   *June 2022 – August 2022*

- Developed REST APIs using Spring Boot and Angular.

– Contributed to UI design and database integration.

COFAT   Tunis, Tunisia
Network Intern   *June 2022*
– Configured and tested virtual machines using VirtualBox for network simulations.

PROJECTS & PUBLICATIONS

Research Article: Leveraging Machine Learning and Optimization in Home Health Care   *April 2025*
– Co-authored a peer-reviewed study on hybrid ML–optimization models for HHC systems.

Book Chapter: Leveraging AI and Data Analytics for Real-Time Decision Making   *April 2025*
– Authored a chapter on predictive modeling, risk management, and ethical governance.

Research Project: Reinforcement Learning and Multi-Agent Systems   *November 2024*
– Investigated MAS and RL methods addressing non-stationarity, scalability, and observability issues.

Applied Research: Hands-On Introduction to Reinforcement Learning in Python   *November 2024*
– Designed and implemented Python-based RL experiments validating theoretical concepts.

Academic Project: Impact of Data Preprocessing on ML Model Performance   *April 2024*
– Compared Random Forest and Gradient Boosting on life expectancy prediction, emphasizing preprocessing.

TECHNICAL SKILLS

Programming Languages: Java, Python, SQL
Machine Learning & AI: Scikit-learn, TensorFlow, Pandas, NumPy, Matplotlib, Seaborn, Reinforcement Learning, Docplex, PuLP
Business Intelligence: SPSS, Power BI, PostgreSQL, Talend ESB
Collaboration Tools: Microsoft Office, Google Workspace, JIRA, Trello, MS Project
Design & Prototyping: Blender, Adobe Photoshop, Adobe XD, Canva
Research Skills: Academic paper analysis, benchmark generation, data interpretation

LANGUAGES

Arabic: Native
French: B2
English: B2
German: A1

ACHIEVEMENTS

Alliance Française, Kairouan   *2024*
– Diplôme d'Études en Langue Française (DELF B2).

The Team Academy, Tunisia   *2023*
– Certification: Business Analysis par la Pratique.