

Abderrahmen Gharsa

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Education

The Higher Institute of Management of Tunis

Dec 2024

M.Sc. (Research) in Artificial Intelligence

14.18/20 (French Grading System)

Relevant Coursework: Data Structures & Algorithms, Databases, Probability & Statistics, Machine Learning, Graph Theory, Data Science, Deep Learning, Project Management (PMP), Business Process Management (BPM)

Experience

Altais | Senior Technico-Consultant | France

Jul 2025 – Present

- Lead large-scale migrations from legacy systems (Sage 100, Sage 50, Divalto) to Odoo v18 and v19.
- Manage complex data integration and mapping for core business entities, including Contacts, Products, and Invoices.
- Delivered over 120+ hours of professional training sessions to clients across diverse industrial sectors.
- Oversee multiple Odoo.sh instances and coordinate collaborative development workflows with cross-functional teams.
- Expertly manage French accounting standards, encompassing both general and analytical accounting within Odoo.

SIneeIT | Software Engineer | Riyadh, Saudi Arabia

Jan 2024 – Jun 2025

- Developed and implemented custom modules, across V14, V15, and V16 (Community & Enterprise).
- Full stack development using Python, PostgreSQL, JavaScript, and XML to improve functionality and user experience.
- Designed and integrated REST APIs, such as ZATCA e-invoicing and Employee Time Tracking systems.
- Optimized and migrated legacy modules to newer Odoo versions for better performance and maintainability.
- Enhanced the codebase by contributing over 56K+ lines of clean, testable code.
- Managed version control and collaborative development with Git, Gitlab and Odoo.sh.

2B Consulting | Junior Software Developer | Tunis, Tunisia

Jul 2022 – Jun 2024

- Consulted for clients in construction, healthcare, retail, and technology sectors to build and customized applications
- Developed SaaS applications using the Odoo (Python) and Spring Boot frameworks.
- Designed and maintained databases including Oracle Database (12c & 19c) and PostgreSQL.
- Utilized Git for version control and Docker for containerization.

IOWaves (Internship) | Data Scientist Intern | Tunis, Tunisia

Feb 2022 – Jun 2022

Academic & Professional Projects

Bi-level Evolutionary LSTM (Bi-ELSTM) Architecture (M.Sc. Thesis) (Deep Learning, PyTorch, Scikit-learn, TensorFlow)

- Proposed and developed a novel Bi-level Evolutionary LSTM (Bi-ELSTM) architecture design.
- Performed an extensive survey on state-of-the-art LSTM and RNN architecture design methods.
- Outperformed existing methods, improving accuracy and F1-score in classification, and reducing MAE and RRMSE in regression tasks.

SaaS-based GMAO (Maintenance Management System) (Odoo, Python, PostgreSQL, XML)

- Developed a GMAO application to streamline maintenance operations for a private company in the construction sector.
- Collaborated with stakeholders to analyze and implement custom business logic tailored to client-specific workflows.
- Conducted comprehensive end-user training to ensure smooth adoption and efficient utilization of the system.
- Developed Odoo QWeb reports and integrated custom dashboards for advanced analytics.

SaaS-based Multi-branch Beauty Salon (Odoo, Python, PostgreSQL, JavaScript, XML)

- Designed and developed a multi-branch ERP system supporting resource management, booking, HR, POS, accounting.
- Implemented custom business logic and integrated e-invoicing features tailored to client requirements.
- Delivered the project using Agile Scrum methodology on Jira platform for sprint planning and progress tracking.

Skills

Languages: Arabic (Native), English (Fluent), French (Proficient), Czech (Beginner)

Programming Languages: Python, JavaScript, Java, C, TypeScript

Frameworks and Libraries: Odoo, Spring Boot, Angular, Django, FastAPI

Tools & Platforms: Git, Jira, Linux, Docker, SQL, PostgreSQL, Elasticsearch, Excel, REST API, Power BI, Talend Studio

Concepts: Backend Development, Frontend Development, Low-Code Development, Deep Learning, Data Science, Database Design & Administration, Agile Scrum, Vibe Coding