



RAED OUIRIEMMI

Master's Student in Data Science

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IT Skills

Operating Systems: Linux / Windows / macOS

Development Tools: Visual Studio, Android Studio, Jupyter Notebook

Machine Learning: TensorFlow, Pandas, NumPy, Matplotlib, Seaborn, scikit-learn

Deep Learning: Keras, PyTorch, YOLO (You Only Look Once) for object detection

Web Development: HTML, CSS, JavaScript, React.js, Node.js

Mobile Development: React Native

Databases: MySQL, MongoDB, Firebase, Supabase

Software Engineering: UML, build management with Maven, JUnit

Microsoft Office: proficient (Excel, PowerPoint, ...)

Programming Languages: Python, C++, C#, Java

Version Control: Git, GitHub

Languages

French

› TCF 400/699 (equivalent to B2)

English

B1 — Intermediate

Soft Skills

- Problem Solving
- Critical Thinking
- Adaptability & Flexibility
- Leadership, Creativity & Innovation
- Teamwork

Experience & Projects

AI Chatbot for Database Querying (Personal Project — 2025)

- **Description:** Built a web chatbot that queries an MSSQL database in natural language. The system converts user requests into SQL, executes them, and returns concise, readable answers through a modern web interface.
- **Technologies:** React.js, FastAPI, MSSQL, OpenRouter API

AI Web App for Discord Automation & Management (Personal Project — 2025)

- **Description:** Developed an intelligent web application for the centralized management of multiple Discord accounts via tokens and proxies, with an admin dashboard for real-time monitoring and control. Automated AI agents interact naturally inside Discord servers.
- **Features:** Token and proxy management, real-time messaging through Discord Webhooks, automatic generation of smart replies using the OpenAI API, full supervision from the admin interface.
- **Technologies:** React.js, FastAPI, Discord Webhooks, OpenAI API

Smart Chatbot for IT Product Search (Personal Project — 2024)

- **Description:** Designed an intelligent chatbot powered by LLaMA-2 to assist users in searching for IT products, with automated data collection via web scraping from MyTek.
- **Features:** Product search, personalized recommendations, automated data refresh through web scraping, and fluent interaction powered by the LLaMA-2 NLP model.

AI Web App for Text Summarization & Translation

- **Description:** Built a web application based on FastAPI and React, integrating BART (text summarization) and Helsinki-NLP (translation).
- **Results:** Faster summarization and support for more than 10 languages.

License Plate Detection in Video using YOLO (09/2024)

- **Description:** Implemented an AI model that detects and extracts vehicle license plates from videos in real time.

Software Development Internship — AZ IT (02/2024 — 08/2024)

Mobile App Development with React Native (06/2024 — 08/2024)

- **Context:** Created a mobile application and a web dashboard to improve communication and document exchange between accountants and their clients.
- **Key features:** Secure document transfer, interactive dashboard for accountants.

Local Address Sales Platform (02/2024 — 05/2024)

- **Context:** Graduation project in partnership with AZ IT, enabling companies to register their head office without a physical workspace.
- **Technologies:** React.js (frontend), Node.js (backend).
- **Key features:** Postal and local address registration, intuitive interface for streamlined management.

Education & Training

Master's in Data Science — Faculty of Sciences, Monastir (September 2024 — Present)

Bachelor's in Software Engineering & Information Systems — Faculty of Sciences, Monastir (2021 — 2024)

Scientific Baccalaureate — Dhouiher High School, Zarzis (2021)