

Idriss EL ABIDI

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EDUCATION

National School of Computer Science and Systems Analysis (ENSIAS) <i>Second-year Software Engineering student</i>	Rabat, Morocco <i>Sept. 2023 – present</i>
UM5R - Faculty of Sciences Rabat (FSR) <i>Bachelor's in Mathematical and Computer Sciences (SMI)</i>	Rabat, Morocco <i>Sept. 2020 – June 2023</i>

PROFESSIONAL EXPERIENCE

ELT Pipeline and BI Solution for CNRST <i>National Center for Scientific and Technical Research (CNRST) - Internship</i>	Rabat, Morocco <i>July 2024 – Aug. 2024</i>
<ul style="list-style-type: none">Designed and implemented an ELT pipeline using Airbyte to extract and load data from various structured sources (databases, CSV files) into PostgreSQL.Utilized DBT for transforming the raw data in PostgreSQL into analytics-ready tables, ensuring data consistency and quality.Deployed the entire pipeline using Docker, and used Metabase to create dynamic dashboards for on-demand data visualization.	
Web Application for Objective Contract Management <i>Ministry of Economy and Finance - Internship</i>	Rabat, Morocco <i>Sept. 2022 – Oct. 2022</i>
<ul style="list-style-type: none">Developed a web application using ASP.NET to manage the Ministry's Objective Contracts.Designed and implemented a dashboard page to track project progress with detailed performance metrics.Integrated SQL Server as the database for storing and managing contract-related data.	

ACADEMIC PROJECTS

Space Quiz Web App <i>End of Semester Project : Java, Spring Boot, React, NextJS, Oracle Database, Cloudinary</i>	ENSIAS <i>March 2025 – May 2025</i>
<ul style="list-style-type: none">Developed an engaging quiz platform using Next.js and Spring Boot, with JWT authentication to ensure secure user sessions and access to personalized content.Integrated the NASA API to fetch real-time space news, used Oracle Database (OCI) for persistent data storage, and Cloudinary for efficient image handling.	
Internship Management Web Application <i>End of Semester Project : Java, Spring Boot, React, NextJS, Oracle Database, Merise</i>	ENSIAS <i>Dec. 2024 – Jan. 2025</i>
<ul style="list-style-type: none">Full-stack web application built with Next.js (frontend) and Spring Boot (backend), featuring JWT-based authentication for secure and role-based access control.Leveraged Oracle Cloud Infrastructure (OCI), utilizing Oracle Database for structured data storage and Object Storage Buckets for managing uploaded documents.	
Large Language Model-based Document Analysis <i>End of Year Project : Python, PyTorch, Bert, AraBert, Elasticsearch, RAG</i>	ENSIAS <i>March 2024 – June 2024</i>
<ul style="list-style-type: none">Developed an Arabic semantic search system using AraBERT, fine-tuned with Hugging Face and PyTorch for document embedding, contextual understanding, and re-ranking of search results.Stored text embeddings in Elasticsearch, applied cosine similarity for initial ranking, and leveraged AraBERT for re-ranking to enhance retrieval relevance.	
Web Application for Projects and Personal Tasks Management <i>End of Study Project : PHP, Laravel, MySQL, OpenAI API, UML</i>	FSR <i>Feb. 2023 – June 2023</i>
<ul style="list-style-type: none">Developed a web application for managing personal projects and tasks using the Laravel framework.Designed application features using UML and managed database creation and maintenance with MySQL.	

SKILLS & LANGUAGES

Programming Languages and Scripting: C/C++, Python, Java, JavaScript, HTML/CSS, PHP, SQL
Database Management : MySQL, PostgreSQL, Microsoft SQL Server, Oracle Database
competitive programming : Competitive Programming Lead at ENSIAS IT Club with over 2 years of experience.
Languages Arabic, English, French