HAMRI YASSIR

AI & DIGITAL TRANSFORMATION ENGINEERING STUDENT

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SUMMARY

Passionate about digital transformation and IT, I specialize in software development, enterprise architecture, and database systems. Proficient in Python (PySide), Java (OOP), and web development, I also have expertise in data structures, project management, and IT marketing.

PROJECTS & EXPERIENCES

- **YouTube Summarizer & Q&A Tool**

I have completed a guided project on building a YouTube Summarizer and Q&A tool using LangChain, RAG, Faiss, and Gradio. This AI-powered tool extracts video transcripts, generates concise summaries, and enables real-time Q&A for deeper engagement with video content. Designed to enhance learning and accessibility, the project leverages Faiss for efficient vector search, making it a valuable asset for students, educators, and content creators. Through this experience, I gained hands-on expertise in retrieval-augmented generation (RAG) and AI-driven content interaction, skills that are applicable to a wide range of AI and data-driven projects.

- **Room Management System ("Gestion des Salles")**

I led a team project focused on room management ("gestion des salles") using C language. The project aimed to optimize scheduling and allocation of rooms, improving efficiency in space management. As the team leader, I coordinated the development process, assigned tasks, and ensured the successful integration of technical features, strengthening both my leadership and programming skills.

- **Service & Demonstration Management System**

I contributed to a "gestion des services et demonstrations" project, where we developed a system to streamline service requests and demonstration scheduling. My role involved designing key functionalities and collaborating closely with my teammates, enhancing my ability to solve problems effectively and work within a structured development environment.

- **AI Matching & Proposal Assistance Platform**

Currently, I am working on an AI-powered Matching & Proposal Assistance platform, designed to connect businesses with qualified candidates efficiently. This project aims to reduce manual effort in recruitment by leveraging structured data and intelligent matching algorithms, helping employers find the right talent while assisting job seekers in discovering relevant opportunities.

- **AI-Powered CV Writing Assistant (Python, PySide)**

Developed a CV writing assistant application that helps users create professional resumes with smart sentence suggestions based on job positions and skills. The application features a user-friendly GUI (PySide), pre-designed CV templates, PDF export, and automatic recommendations for improving phrasing and layout. Implemented a modular architecture (GUI, processing, controller) and integrated SQLite for saving user data..

- **Upcoming Web Development Project**

I am planning a new web development project, currently in the ideation phase. This initiative will allow me to apply my expertise in web technologies, software architecture, and user experience design to create a functional and impactful application.

- **Data Hackathon on Sustainable Mobility (Upcoming - April 2025)**

I am preparing to participate in a data hackathon focused on sustainable mobility, where I will collaborate with a team to tackle challenges related to transportation efficiency, environmental impact, and urban mobility using data-driven solutions.

- **Global UGRAD Program (Semi-Finalist)**

I reached the semi-finals of the Global UGRAD program and am currently awaiting the final results. This achievement reflects my commitment to academic excellence, cultural exchange, and leadership development.

SKILLS

Python Java (OOP)	Web Development Databases	AI & RAG LangChain	Project Management Business Architecture	Problem-Solving Leadership

EDUCATION

2024-2027 : TRANSFORMATION DIGITAL ET INTILLEGENCE ARTIFICIELLE - ENSAH
2022-2024 : ECOLE NATIONAL DES SCIENCES APPLIQUEE AL HOCEIMA - 2 ANNEES PREPARATOIRES
2021-2022 : BAC SCIENCE MATH B MENTION BIEN

- **Languages:** English, French, Arabic.
- **Certifications:** Game-playing AI with Swift for TensorFlow (S4TF)