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

Language Translation Tool - Developed a language translation tool to translate text between languages.
 - Integrated **Google Translate API / Microsoft Translator API** for accurate translations.
Personal Portfolio Website - Built a personal portfolio website to showcase my skills, projects, and resume.
- Utilized **HTML, CSS, and JavaScript** for structure, styling, and interactivity.
 - Integrated a Flask API and Render to handle the "Contact Me" form submissions, allowing automatic email notifications when someone fills out the form.
Chatbot for FAQs
- Created an NLP-powered chatbot to answer frequently asked questions.
- Implemented **NLTK / SpaCy** for natural language processing and response generation.
YouTube Summarizer & Q&A Tool
- Completed a guided project on building an AI-powered YouTube summarizer and Q&A tool.
- Used **LangChain, RAG, Faiss, and Gradio** to extract video transcripts, generate summaries, and enable real-time Q&A.
Room Management System ("Gestion des Salles")
- Led a team project focused on optimizing scheduling and space allocation.
- Developed the system using **C language**, improving efficiency in resource management.
Service & Demonstration Management System
- Contributed to a project for streamlining service requests and demonstration scheduling.
- Designed key functionalities and collaborated closely with teammates.

AI Matching & Proposal Assistance Platform(Ongoing)
-- **Developed and deployed** an AI-powered job matching platform.
- **Built** a Flask API and containerized it with Docker.
- **Deployed** the backend on Render and the database on Railway using PostgreSQL.
- **Enabled** efficient job recommendations and scalable data management.
- **Next steps:** Develop the frontend, refine matching algorithms, and optimize user experience.

AI-Powered CV Writing Assistant
- Developed an application to help users create professional resumes with smart suggestions.
- Implemented **Python, PySide, SQLite**, and a modular GUI architecture for seamless user experience.

Web Development Project: Internet Banking System
- Successfully developed a secure and user-friendly Internet Banking System using Laravel for back-end development and Bootstrap for responsive front-end design, following the MVC architectural pattern to ensure clean code structure and maintainability.
- Implemented key features such as user authentication, account management, transaction processing, and real-time balance updates, delivering a smooth multi-device experience through Laravel's built-in security tools and Bootstrap's mobile-first components, within an Agile development process.

EXPERIENCES & INTERNSHIPS:

ARTIFICIAL INTILLEGENCE Internship at CodeAlpha (1st March 2025-1st April 2025)

- 1-month remote AI internship at CodeAlpha, a leading software development company, gaining hands-on experience in artificial intelligence and machine learning.
- Built 3 AI-based projects as part of the internship, adhering to the guidelines and deadlines provided**.**
- Shared project updates on LinkedIn, including video explanations and GitHub repository links, as per internship instructions.

Global UGRAD Program (Semi-Finalist)

- Reached the semi-finals of the **Global UGRAD program**, demonstrating academic excellence and leadership.
- Currently awaiting final results.

SKILLS

- **Programming Languages**: C(OOP), Python(OOP), Java (OOP)
- **Web Development**: Flask, HTML, CSS(bootstrap), JavaScript(Vue,Express,Node,React), PHP(laravel)
- **Database Management**: MySQL, PostgreSQL, MongoDB
- **Artificial Intelligence**: AI Matching, RAG (Retrieval-Augmented Generation), LangChain
- **Data Processing & Automation**: Pandas, Web Scraping (BeautifulSoup, Selenium)
- **Cloud & Deployment**: Docker, Render, Railway, API Development
- **Software Business & Project Management**: IT Project Management,Business Architecture(TOGAF,ARCHIMATE)

EDUCATION

2024-2027 : TRANSFORMATION DIGITAL ET INTELLIGENCE 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)