HAMRI YASSIR

AI & DIGITAL TRANSFORMATION ENGINEERING STUDENT

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STAGE PFA

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.

AI-Powered Music Generation
- Developed an AI-powered music generation system to compose original music.
- Used **Recurrent Neural Networks (RNNs) / Generative Adversarial Networks (GANs)** for sequence 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 by applying expertise in web technologies and UX design.
- Implemented key features such as user authentication, account management, transaction processing, and real-time balance updates, ensuring a smooth and responsive experience across all devices.

EXPERIENCES & INTERNSHIPS:

ARTIFICIAL INTILLEGENCE Internship at CodeAlpha (1st March 2024-1st April 2024)
- 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.

Data Hackathon on Sustainable Mobility(Upcoming - April 2025)
- Preparing to participate in a data hackathon focused on urban mobility and environmental impact.
- Will collaborate with a team to develop data-driven solutions.

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, Python, Java (OOP), SQL
- **Web Development**: Flask, HTML, CSS, JavaScript, PHP
- **Database Management**: MySQL, PostgreSQL
- **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 Development**: Object-Oriented Programming (OOP), Functional Programming, Algorithm Optimization
- **Business & Project Management**: Business Architecture, Agile Methodologies, 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)

YASSIR HAMRI

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Objet : Demande de stage PFA

Madame, Monsieur,

Actuellement étudiant en 1re année de Transformation Digitale & Intelligence Artificielle à ENSA Hoceima, je souhaite effectuer un stage dans le cadre de mon Projet de Fin d'Année (PFA). Passionné par le développement de solutions numériques innovantes, je suis particulièrement intéressé par votre entreprise et ses projets technologiques.

Grâce à ma formation, j'ai acquis des compétences en développement web (HTML, CSS, JavaScript), bases de données (MySQL), programmation (Python, Java), gestion de projets informatiques, ainsi qu'en architecture d'entreprise (Archimate, TOGAF) et transformation digitale.

Motivé, rigoureux et curieux, je suis prêt à m'investir pleinement dans ce stage afin de contribuer à votre équipe tout en développant mes compétences. Je serais ravi de vous rencontrer pour échanger sur cette opportunité.

Dans l'attente de votre retour, je vous prie d'agréer, Madame, Monsieur, l'expression de mes salutations distinguées.

Dear Sir/Madam,

I am currently a first-year student in Digital Transformation & Artificial Intelligence at ENSA Hoceima, and I am seeking an internship as part of my Final Year Project (PFA). Passionate about developing innovative digital solutions, I am particularly interested in your company and its technological projects.

Through my studies, I have acquired skills in web development (HTML, CSS, JavaScript), databases (MySQL), programming (Python, Java), IT project management, as well as enterprise architecture (Archimate, TOGAF) and digital transformation.

I look forward to your response and remain at your disposal for any further information.
Best regards,

YASSIR HAMRI