

Mohamed Wassim Karoui

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🌐 mohamed-wassim-karoui 🔄 WASSIMKAROU

Profile

engineering student with hands-on experience in full-stack development and AI-powered applications. Skilled in building modern web platforms and LLM-based tools. Motivated to contribute to real-world software and AI projects.

Education

2022 – 2027 **Industrial Computing and Automation**
National Institute of Applied Science and Technology(INSAT)

Projects

YC-Directory – Startup Listing Web App with Dynamic Rendering

-Next.js, Sanity, NextAuth, Tailwind CSS

Developed a modern web application for showcasing and managing startup profiles. Features include dynamic server-side rendering, user authentication, real-time search, and a headless CMS powered by Sanity for flexible content management. Designed with a focus on responsive UI, performance, and SEO optimization.

ShopSage – Full-Stack E-Commerce Platform

-React, Nodejs, Express, Redux, tailwind CSS, mongoDb

Developed a full-featured e-commerce platform using MongoDB, Express.js, React, and Node.js. Implemented secure user authentication with JWT, along with features like product browsing, cart and wishlist management, order processing, and address handling. Integrated role-based access for admin functionalities.

Multi-Session AI Chatbot Interface

-Python, Streamlit, DeepSeek, REST API

Developed a conversational AI web application using the DeepSeek language model. Implemented multi-session support with automatic chat naming and persistent conversation history. Designed a clean user interface for real-time interaction and seamless session management.

Multi-PDF Chatbot with LangChain

-Python, LangChain, DeepSeek, Hugging Face Transformers, ChromaDB

Built an intelligent chatbot application capable of processing and answering questions from multiple PDF documents. Leveraged LangChain to manage the flow between document parsing, vector store retrieval, and LLM interaction. Integrated DeepSeek and Hugging Face models for dynamic, context-aware responses. Designed to provide efficient document comprehension and multi-file querying through natural language

Skills

programming: Python | JavaScript | CSS | HTML

Frameworks: Next JS | React JS | Nodejs | Express js | Node js | Flask | streamlit

Data Bases: MySQL | mongoDB

AI & LLM Tools:: LangChain | DeepSeek | OpenAI API | Hugging Face Transformers

Languages

- English
- French