

Issam Haouari

Computer Science Engineer

✉ issamhaouari50@gmail.com ☎ +216 23 987 560 🔗 issamhaouari 🌐 issamhri
🔗 issamhri.github.io/Website-Portfolio



Professional Experience

- Internship - Artificial Intelligence Engineer, Sofrecom** Feb 2024 – Sep 2024
Tunis, Tunisia
- Collected data using web scraping and performed data cleaning.
 - Fine-tuned text generation models to tailor responses based on personality traits.
 - Integrated models into the RASA framework.
 - Developed a Flask web application to incorporate the fine-tuned models.
 - Implemented a chatbot capable of adapting its responses according to the user's personality.
- Keywords:** Flask, MongoDB, NLP, LLM, Web scrapping
- Internship - Python Developer, Satoripop** Jun 2023 – Sep 2023
Sousse, Tunisia
- Collected, preprocessed, and tokenized text data for training high-performance models.
 - Created a NER model to extract key information from client messages, integrated into a search engine.
 - Fine-tuned multiple text classification models to recognize client intent in each message.
 - Evaluated and optimized models using appropriate performance metrics.
- Keywords:** NLP, LLM, Machine Learning, Deep Learning

Education

- National Engineering Diploma in Computer Science, National School of Computer Science** Sep 2021 – Sep 2024
Manouba, Tunisia
- Preparatory Institute for Engineering Studies of Monastir, Associate Degree** Sep 2019 – Jun 2021
Ranked 88/1200 in the National Exam.
Monastir, Tunisia
- Baccalaureate diploma, Pilot High School of Monastir** Sep 2015 – Jun 2019
Monastir, Tunisia

Skills

- Programming Languages** — Python | Javascript | Java
- Web Development** — NodeJS | ExpressJS | ReactJS | Flask | TailwindCSS
- Databases** — MongoDB | SQL
- Management** — Git | Github | UML | SCRUM | CRISP-DM
- Artificial Intelligence** — Pytorch | Pandas | HuggingFace | BeautifulSoup

Projects

- Realtime-Chat Application, Personal Project** Dec 2024
- Implemented secure user authentication, message storage, and dynamic updates for a seamless user experience.
 - Utilized Socket.IO and event-based architecture to manage private and group chats effectively.
- Keywords:** ReactJS, ExpressJS, MongoDB, Socket.IO
- Full-Stack Professional Network Application - LinkedIn Clone, Personal Project** Nov 2024
- Developed and deployed a LinkedIn clone using the MERN stack with features like JWT-based authentication and MongoDB integration for data management.
 - Implemented a welcome email system with mailtrap and secured data with best practices in user authentication and authorization.
 - Designed an interactive UI using Tailwind CSS and DaisyUI, allowing users to create, like, and comment on posts.
 - Added functionalities for profile creation and updates, image uploads, and connection requests (send, accept, reject).
 - Built a suggested users feature to enhance networking and engagement within the app.
- Keywords:** ReactJS, ExpressJS, MongoDB
- Retrieval-Augmented Generation Chatbot, Personal Project** Oct 2024
- Employed a vectordatabase for effective similarity search of embeddings.
 - Developed a pipeline to format prompts for retrieval tasks and generate responses dynamically.
 - Integrated the solution with a web interface using Flask for real-time interaction.
- Keywords:** Flask, NLP, LLM, GeminiAPI