


Issam Haouari

Computer Science Engineer

 issam.haouari@ensi-uma.tn

 23987560

 El-Aouina, Tunis, Tunisia

 issamhaouari

 IssamHRI

 issamhri.github.io/Website-Portfolio



PROFESSIONAL EXPERIENCE

- Artificial Intelligence Engineer

Sofrecom Tunisie

- 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.

02/2024 – 09/2024

Tunis, Tunisia
- Python Developer

Satoripop

- 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.

07/2023 – 09/2023

Sousse, Tunisia

EDUCATION

- National School of Computer Science

National Engineering Diploma / Computer Science

09/2021 – 09/2024

Manouba, Tunisia
- Preparatory Institute for Engineering Studies of Monastir - IPEIM

Associate Degree

Ranked 88/1200 in the National Exam.

09/2019 – 06/2021

Monastir, Tunisia
- Pilot High School of Monastir

Baccalaureate diploma

09/2015 – 06/2019

Monastir, Tunisia

SKILLS

Python | Javascript | Flask | NLP (Natural Language Processing) | ExpressJS | ReactJS | GitHub |

Machine Learning | Deep Learning | TailwindCSS | MongoDB | SQL

PROJECTS

- Linkedin Clone Application

Personal Project

- 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.

11/2024
- Development of a Retrieval-Augmented Generation Chatbot with GeminiAPI

Personal Project

- Built a RAG chatbot using the GeminiAPI to retrieve and generate responses based on embedding similarity.
  - 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.

10/2024
- Environmental Accident Detection Web Application

Design and Development Project

- Designed and developed an application that allows citizens to report encountered accidents, automatically detect the location of the incident, and link it to the corresponding municipality responsible for that area.

03/2023 – 05/2023