Issam Haouari *Computer Science Engineer*

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📍 Monastir, Tunisia in 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
Ranked 88/1200 in the National Exam.
Sep 2019 – Jun 2021
Monastir, Tunisia

Baccalaureate diploma
Pilot High School of Monastir
Sep 2015 – Jun 2019
Monastir, Tunisia

Skills

Programmation 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*