



SKANDER TLILI

Data Scientist | Backend Developer | Blogger@Medium

CONTACT

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ABOUT ME

Passionate and dedicated Data Scientist looking for an end-of-studies internship of six months or more to complete my academic career.

PROFESSIONAL EXPERIENCE

○ Prompt Engineering Intern

Business & AI | Megrine Business Center, Tunis

June 2024 - September 2024

- Prompt Engineering: Applied advanced techniques to optimize LLM outputs improving accuracy and relevance.
- LLM Evaluation: Tested and selected open-source LLMs (<9B parameters), assessing performance for complex retrieval-augmented generation (RAG) tasks.
- RAG Methodologies: Implemented retrieval-augmented generation approaches to enhance context Retrieval.
- Reasoning for LLM Agents: Applied diverse reasoning strategies to enable multi-step decision-making for LLM.
- Q&A Agent Development: Developed a Question Answering agent using RAG techniques to answer questions from PDFs.

○ Software Engineering Intern

NearTeam | North Urban Center, Tunis

July 2022 - Aout 2022

- Gained proficiency in Scrum project management methodology, contributing to agile team workflows.
- Completed comprehensive training in Linux environment management and shell scripting.
- Performed A/B and unit testing to ensure software quality and optimize system performance.
- Developed a CRUD API using FastAPI and PostgreSQL.
- Implemented containerization of applications using Docker.

PROFESSIONAL PROJECTS

○ Q&A Agent for Complex Retrieval-Augmented Generation (RAG) Tasks

Business & AI | Megrine Business Center, Tunis

June 2024 - September 2024

- Executed semantic chunking on multiple PDF documents.
- Developed data indexing with vector store and ChromaDB for efficient document search.
- Customized an advanced retriever to improve accuracy in information extraction.
- Created a multi-document ReAct agent utilizing Retrieval-Augmented Generation for multi-step question answering.

○ Personal WebSite

ENSTAB | Borj Cedria, Tunis

January 2024 - March 2024

- Developed DataBase with PostgreSQL and deployed it on railway.
- Developed the API using Django and deployed on vercel
- Developed the Front-End using Bootstrap.

ACADEMIC PROJECTS

○ End of Year Projects (PFAs)

- PFA 1 : Developed a cryptocurrency price prediction Bot using LSTM architecture.
- PFA 2 : Developed a movie recommendation System using 2 different Models over 1 Million item Dataset and deployment using Flask powerd API.

○ Web development Projects

- CRUD API with MERN stack (MongoDB, Node.js, Express.js).
- Development of Flask server.
- REST API with Fast API and PostgreSQL.

○ Artificial intelligence

- Development of Geospatial Data Analysis Model.
- Text composer with Marcov Chain.
- Chatbot AI assistant.
- HandWritten Neural Network for text classification.
- Sentiment Analyser with BERT.

○ Practical Data Science On AWS Cloud Projects

- Developed and Deployed of a product review classifier on AWS with AutoML
- Trained a text classifier using Amazon SageMaker BlazingText
- Created Machine Learning pipelines with BERT
- Optimized Machine Learning models and deployed Human-in-the-Loop pipelines

EDUCATION

○ IPEIEM : Preparatory Institute for Engineering Studies of El Manar

El Manar, Tunis

September 2018 - June 2021

- Preparatory Cycle Diploma.

○ ENSTAB : National School of Advanced Science and Technology

Borj Cedria, Tunis

July 2021 - June 2024

- Engineering Diploma in Advanced Technologies : Bac + 5.