GHASSEN KHELIFI

COMPUTER SCIENCE STUDENT

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GitHub: [GhassenKhelifi] **Location:** Marburg Germany

I am a final-year computer engineering student specializing in data science and artificial intelligence. I am passionate for research and innovation with a strong problem-solving mindset. I am seeking a **composory six-months internship** at your company to apply my skills to innovative projects.

Education

- **Exchange semester** student in Computer Science at Marburg University, Germany.
- **Final-year Data Science student** at ESPRIT (Private Higher School of Engineering and Technology), Tunis. (Expected graduation: 2026). **Courses taken**: Machine Learning, Deep Learning, Optimization for ML, Statistics, Time Series, Probability, MLOps.
- Baccalaureate in Mathematics, Manzah 6 High School, Tunis, Tunisia (2021).

Professional Experience

Management Consulting Internship July 2025 – September 2025
Intelligent Data Extraction Platform Tunis, Tunisia

- Built an OCR-based platform to automate invoice data extraction and processing.
- Applied Mistral LLM for document understanding and BERT for sentiment analysis on client text.
- Developed an intelligent chatbot to assist users with financial queries and data insights.

Sync digital - Supply indus Tunis, Tunisia
Web developper intern July 2024 – August 2024

- Developed an article management application using Symfony with a fully responsive interface.
- Integrated an intelligent LLM-based assistant to help users navigate, manage articles, and answer queries.

Projects

Recruiter agentic AI system October 2025 – November 2025

- Developped and impoved a voice interview assistant to automate the interview process.
- Implemented the CrewAI agents logic.

Agentic AI assistant for small businesses February 2025 – May 2025

- Created a personalized multimedia content for target audiences of small businesses using an agentic AI workflow.
- Developped a marketing-strategic agentic AI system using multiple LLM agents and an agentic RAG system (BERT score = 0.71).

Brain Tumor Detection – Deep Learning July 2025

- Built a CNN-based model to classify brain MRI images and detect tumors.
- Performed preprocessing (normalization, augmentation) to enhance model robustness.
- Achieved high accuracy through optimized architecture and regularization techniques.

Customer churn prediction with MLOps January 2025

- Developed an end-to-end automated ML pipeline covering data preparation, model training, testing, deployment, and monitoring, ensuring CI/CD and scalability in production.
- Implemented MLOps best practices using Airflow for task orchestration, MLFlow for experiment tracking, and FastAPI for model deployment within Dockerized environments.
- Integrated testing and monitoring workflows with Pytest, Elasticsearch, and Kibana to ensure reliability, traceability, and continuous model performance tracking.

Skills

- **Programming:** Python, PyTorch, R
- **AI/ML:** Machine Learning, Deep Learning, MLOps, Time Series
- **Mathematics:** Probability, Statistics, Linear Algebra, Time Series Analysis
- **LLMs & RAG**: Large Language Models (LLMs), RAG Systems, LangChain, LangGraph, CrewAI
- **Databases:** MongoDB, MySQL, Vector Databases
- **Version Control:** Git/GitHub

Languages

German: Beginner | **English**: Fluent | **Frensh**: Fluent | **Arabic**: Mother language

Extracurricular Activities

- Member of the Machine Learning Club at Sup'Com
- Member of the ACM Club at Sup'Com

Certifications

- Building Transformer-Based NLP Applications (nvidia)
- Building AI Agents with Multimodal Models (nvidia)