Eya Guerdelly

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Experience

AI Engineer Intern | <u>Focus Corporation</u> | *Tunis, Tunisia* | **February 2025 - June 2025**

- Developed Agentic AI platform for task management automation
- Built Task Management Assistant with Gemini integration featuring voice/text support and automated Jira management

Technologies: Python, Langgraph, Langchain, Docling, FileSearch, RAG, OCR, Tesseract, LLMs, ML, NLP, MCP ,Angular, FastAPI, Supabase

Software Engineer Intern | <u>Focus Corporation</u> | *Tunis, Tunisia* | **June 2024 - August 2024**

- Developed automated dashboard generation platform for SAP Support teams with Docker Compose deployment, creating performance dashboards and KPI monitoring tools to enhance transparency and operational efficiency.

Technologies: SAP ServiceNow , Angular, Spring Boot, Java, MySQL, Docker, Docker Compose

Software Engineer Intern | <u>ElyosDigital</u> | *Monastir, Tunisia* | **June 2023 - August 2023**

- Developed a mobile movie application using Flutter and Dart with API integration for dynamic content delivery
- Built backend and managed databases for an online education platform using Laravel and phpMyAdmin

Technologies: Flutter, Dart, APIs, Laravel, phpMyAdmin

Technical Skills

- **AI & Machine Learning** Langgraph | CrewAI | Langchain | Machine Learning | NLP | ML | DL | LLMs | Whisper API
- **Programming Languages & Frameworks** Python | Java | TypeScript | Angular | Spring Boot | FastAPI
- **Databases & Storage** MySQL | PostgreSQL | Supabase
- **Cloud & DevOps** AWS | Docker | Docker Compose | Jenkins | Kubernetes | CI/CD | Git
- **Data & Analytics** Big Data | Hadoop | Apache Spark | Apache NiFi | Web Scraping | BeatifulSoup4 | PowerBI | ETL
- **Languages** English (C1) | French (C1) | Spanish (A2)

Education

Research Master's in Data Science | <u>National School of Computer Science</u> | *Manouba, Tunisia* | **September 2024 -May 2024**

- **Focus:** 3D-4D Computer Vision,Neural Machine Learning,Multidimensional Signal Processing, Medical Imaging , Active Contours and Invariants Statistics , Registration

AI & Software Engineering | <u>National School of Computer Science</u> | *Manouba, Tunisia* | **September 2022 - May 2025**

- **Relevant Coursework:** Software Engineering, Data Structures and Algorithms, Database Systems, Operating Systems (Linux), UML Modeling, Big Data, Data Mining, Deep Learning, Deep Reinforcement Learning, GenAI, MAS

National Diploma in Mathematics and Physics | <u>IPEIM</u> | *Monastir, Tunisia* | **September 2020 - June 2022**

- Ranked 212/1831 nationally in preparatory engineering entrance examination

Projects

AI-Powered Speech Analysis Tool | **May 2025**
Recruitment platform eliminating English accent bias through objective speech analysis and automated candidate evaluation

Smart Parking Vision: Automated Vehicle Detection and Space Management Using YOLOv8 | **January 2025**
Computer vision system using for real-time vehicle detection, parking space monitoring, and traffic flow optimization

Social Media Sentiment Mining | **January 2025**
Data mining platform analyzing social media sentiment by country using NLP preprocessing, PCA dimensionality reduction, and K-means clustering to classify engagement patterns from likes and retweets

COVID-19 Data Analysis and Visualization | **November 2024**
Processed COVID-19 epidemiological data across continents with Hadoop and PowerBI visualization

Educational Content Recommendation System | **February 2024 - May 2024**
Recommendation system for children's educational content using Angular, Spring Boot,python , ML,NLP and web scraping

Certifications

- NVIDIA: Generative AI Explained (2025)
- LinkedIn Learning: Agentic AI Fundamentals - Architectures, Frameworks, and Applications (2025)
- LinkedIn Learning: Build AI Agents and Chatbots with LangGraph (2025)
- DataCamp: Advanced Deep Learning with Keras, TensorFlow, and Image Modeling (2025)
- NVIDIA: Applications of AI for Predictive Maintenance (2024)