Aziz Messaoud

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Summary

Computer Engineering student specializing in backend development, artificial intelligence, and data extraction. Proficient in Python, Symfony, NLP techniques (spaCy, NER), and database management. Certified in Deep Learning (NVIDIA) and Machine Learning (Kaggle). Seeking internship opportunities in software engineering.

Professional Experience

AI Intern   **July 2025 – August 2025**
Sopra HR Software   *Tunisia (Hybrid)*

- Developed NLP-powered data extraction system using spaCy and pdfplumber
- Improved entity recognition accuracy by 25% through custom pipeline optimization
- Automated HR document processing for 50+ templates using Python and Regex
- Integrated solutions into existing HR workflows reducing manual processing time

IT Support Intern   June 2023 – July 2023
Banque de Tunisie   *Nabeul, Tunisia*

- Resolved technical issues improving system availability by 30%
- Developed automated backup scripts achieving 99.9% reliability
- Managed hardware inventory tracking system using Excel automation

Technical Projects

InnoTravel Platform   2025
Academic Project   *Symfony, PHP, MySQL*

- Engineered full-stack travel booking system using Symfony framework
- Implemented RESTful API integration for real-time content updates
- Designed database schema and ORM implementation with Doctrine

IEEEXtreme 17.0 Competition   2023
IEEE Global Programming Challenge   *Python, Algorithms*

- Solved 8/12 complex algorithmic problems under time constraints
- Optimized solutions for time and space complexity in Python/C++

Education

Bachelor of Computer Engineering   Expected 2027
ESPRIT – Private School of Engineering and Technology   *Tunis, Tunisia*

Technological Baccalaureate   2021
Lycée Mahmoud Messaoudi   *Nabeul, Tunisia*

Technical Skills

Programming: Python, Java, PHP, C, C++, SQL
Web Technologies: HTML5, CSS3, JavaScript, Symfony, REST APIs
AI/ML: spaCy, NLP, Deep Learning, Data Extraction
Tools: Git, Linux, Docker, MySQL, Regex
Concepts: OOP, MVC, Agile, SDLC, Algorithms

Certifications

- **NVIDIA**: Deep Learning Fundamentals & Transformer NLP
- **Kaggle**: Intermediate Machine Learning
- **Soliya**: Connect Global Student Certificate
- **freeCodeCamp**: Responsive Web Design

Additional

Languages: Arabic (Native), English (Fluent), French (Fluent)
Activities: Core Member - ATIA Club ESPRIT (2024-Present), IEEE Computer Society (2022-2023)