

# Ben HadeF Atef

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## SUMMARY

Final-year engineering student in Data Science and Artificial Intelligence, passionate about intelligent automation, large language models (LLMs), and AI-powered solutions applied to real-world business use cases.

## EDUCATION

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|---|--------------------|
| <b>Engineering Degree – Data Science and Artificial Intelligence</b><br><i>TEK-UP University, Tunis</i><br>Specialized in Machine Learning, Deep Learning, and Artificial Intelligence. | <b>2023 – 2026</b> |
| <b>Bachelor's Degree – Automation and Industrial Computing</b><br><i>ISET Mahdia</i><br>Trained in automated systems and industrial programming.  | <b>2020 – 2023</b> |

## EXPERIENCE

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|---|--------------------|
| <b>Internship – Agency Sizing and Efficiency Analysis</b><br><i>Attijari Bank - Headquarters, Tunis</i><br>Analyzed transactional volumes of over 170 branches to calculate required FTE (Full-Time Equivalent), designed an interactive Power BI dashboard, and provided strategic recommendations for better human resource allocation. | <b>Summer 2025</b> |
| <b>Internship – Skill Assessment and Certification</b><br><i>TEK-UP, Tunis</i><br>Prepared for PCAP Python and OCA Java certifications, strengthened object-oriented programming fundamentals, and applied skills through advanced technical projects.  | <b>Summer 2024</b> |

## PROJECTS

- Document AI Assistant (RAG + LLM)**  
Built an intelligent assistant capable of querying PDF/CSV documents using a Retrieval-Augmented Generation (RAG) architecture. Technologies: FAISS, HuggingFace MiniLM, LLaMA 3 (Groq API), Streamlit. Reduced document search time by 80%.
- HR Automation with ATS Scoring (n8n + Gemini)**  
Created a no-code workflow for CV pre-screening: PDF extraction → evaluation via Gemini API → Google Sheets integration → conditional Gmail notifications. Reduced application processing time by 90%.
- Customer Risk Prediction System**  
Full-stack credit risk scoring application: Python/FastAPI backend for scoring, TypeScript/React frontend with real-time visualization. Decision support tool for loan officers.
- Laptop Aggregator Website**  
Dynamic scraping web application (MyTek/Tunisianet) with filters by type, processor, and price. Unified data display in an intuitive user interface. Gained strong expertise in real-time scraping and aggregation.

## SKILLS

- Programming Languages:** Python, SQL, Java, R
- Tools & Frameworks:** FastAPI, Flask, Power BI, Streamlit, Jupyter, Git, VS Code, n8n
- Technical Expertise:** Machine Learning, NLP, Deep Learning, LLMs, RAG systems, web scraping, workflow automation
- Soft Skills:** Problem-solving, teamwork, Agile methodology, technical communication

## LANGUAGES

Arabic, French, English

## INTERESTS

Applied AI, automation, NLP, open-source projects, Kaggle